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Barnett, P.R.O., see Ansell, A.D., et al. **58**, 41 (1980)
Barnier, G.W., Sheehan, M.V., Williams, D.C.: The Production and Secretion of Digestive Enzymes in the Purple Seastar *Pisaster ochraceus* **29**, 261 (1975)
Barreto Gomes, F.V., see Pitombeira, M.S., et al. **9**, 250 (1971)
Barry, C.K.: Role of Form Vision in Habitat Selection of the Grass Shrimp *Hyppolyte californiensis* **26**, 261 (1974)
Barry, E.P., see Voyer, R.A., et al. **44**, 117 (1977)
Barry, M.M., see Eisler, R., et al. **45**, 311 (1978)
Barsdate, R.J., see Holm-Hansen, O., et al. **7**, 37 (1970)
Bartsch, I., see Zander, C.D. **17**, 77 (1972)
Bashamohideen, M., Parvatheswararao, V.: Adaptations to Osmotic Stress in the Fresh-Water Enryhaline Teleost *Tilapia mossambica*. IV. Changes in Blood Glucose, Liver Glycogen and Muscle Glycogen Levels **16**, 68 (1972)
Bastida, R., Capezzani, A., Torti, M.R.: Fouling Organisms in the Port of Mar del Plata (Argentina). I. *Siphonaria lessoni*: Ecological and Biometric Aspects **10**, 297 (1971)
Battaglia, B., Volkmann-Rocco, B.: Geographic and Reproductive Isolation in the Marine Harpacticoid Copepod *Tisbe* **19**, 156 (1973)
Batterton, J.C., see Winters, K., et al. **36**, 269 (1976)
Baudouin, M.F., Scoppa, P.: Fluorometric Determination of Chlorophyll *a* in the Presence of Pheopigments: Effect of the Half-Value Width of the Excitation Beam **10**, 66 (1971)
Bauer, R., see Belbenoit, P. **17**, 93 (1972)
Bauer, R.T.: Antifouling Adaptations of Marine Shrimp (Crustacea: Decapoda: Caridea): Functional Morphology and Adaptive Significance of Antennular Preening by the Third Maxillipeds **40**, 261 (1977)
Bauer, R.T.: Antifouling Adaptations of Caridean Shrimps: Cleaning of the Antennal Flagellum and General Body Grooming **49**, 69 (1978)
Bauermeister, A., see Sargent, J.R., et al. **51**, 203 (1979)
Baxter, J.M., Jones, A.M.: Growth and Population Structure of *Lepidochitona cinereus* (Mollusca: Polyplacophora) Infected with *Minchinia chitonis* (Protozoa: Sporozoa) at Easthaven, Scotland **46**, 305 (1978)
Bayagbona, E.O., Sagua, V.O, Afinowi, M.A.: A Survey of the Shrimp Resources of Nigeria **11**, 178 (1971)
Bayne, B.L., see Newell, R.I.E. **56**, 11 (1980)
Bayne, B.L., see Thompson, R.J. **27**, 317 (1974)
Bayoumi, A.R.: Notes on the Occurrence of *Tilapia zillii* (Pisces) in Suez Bay **4**, 255 (1969)
Bayoumi, A.R.: Under-Water Sounds of the Japanese Gurnard *Chelidonichthys kumu* **5**, 77 (1970)
Beale, S.I., see Ramus, J., et al. **37**, 223 (1976)
Beale, S.I., see Ramus, J., et al. **37**, 231 (1976)
Beamish, P., see Winn, H.E., et al. **55**, 151 (1979)
Beardall, J., Morris, I.: The Concept of Light Intensity Adaptation in Marine Phytoplankton: Some Experiments with *Phaeodactylum tricornutum* **37**, 377 (1976)
Beardmore, J.A., see Mahmud Ahmad **35**, 139 (1976)
Beardmore, J.A., see Thorpe, J.P., et al. **49**, 27 (1978)
Beardmore, J.A., see Thorpe, J.P., et al. **49**, 343 (1978)
Beasley, T.M., Fowler, S.W.: Plutonium and Americium: Uptake from Contaminated Sediments by the Polychaete *Nereis diversicolor* **38**, 95 (1976)
Beasley, T.M., Heyraud, M., Higgo, J.J.W., Cherry, R.D., Fowler, S.W.: ^{210}Po and ^{210}Pb in Zooplankton Fecal Pellets **44**, 325 (1978)
Beasley, T.M., see Heyraud, M., et al. **34**, 127 (1976)
Beaumont, A.R., see Gruffydd, Ll.D. **15**, 350 (1972)
Beaumont, A.R., see Crisp, D.J., et al. **46**, 181 (1978)
Becacos-Kontos, T.: Primary Production and Environmental Factors in an Oligotrophic Biome in the Aegean Sea **42**, 93 (1977)
Becacos-Kontos, T., Svansson, A.: Relation Between Primary Production and Irradiance **2**, 140 (1969)
Becherini, F., see Emig, C.C. **5**, 239 (1970)
Bechtold, R.E., see Morrison, S.J., et al. **41**, 229 (1977)
Beck, J.T.: Reproduction of the Estuarine Mysid *Taphromysis bowmani* (Crustacea: Malacostraca) in Fresh Water **42**, 253 (1977)
Bedford, J.J., see Bergquist, P.R. **46**, 215 (1978)
Beers, J.R., Stewart, G.L.: Micro-Zooplankton and Its Abundance Relative to the Larger Zooplankton and Other Seston Components **4**, 182 (1969)
Beers, J.R., Reid, F.M.H., Stewart, G.L.: Microplankton Population Structure in Southern California Nearshore Waters in Late Spring **60**, 209 (1980)
Beers, J.R., see Heinbokel, J.F. **52**, 23 (1979)
Behrens Yamada, S.: Geographic Range Limitation of the Intertidal Gastropods *Littorina sitkana* and *L. planaxis* **39**, 61 (1977)
Behrisch, H.W.: Molecular Mechanisms of Adaptation to Low Temperature in Marine Poikilotherms. Some regulatory Properties of Dehydrogenases from Two Arctic Species **13**, 267 (1972)
Bejda, A.J., see Olla, B.L., et al. **45**, 369 (1978)
Bejda, A.J., see Olla, B.L., et al. **59**, 23 (1980)
Beklemishev, C.W., Neyman, A.A., Parin, N.V., Semina, H.J.: Le biotope dans le milieu marin. [The Biotope in the Marine Environment] **15**, 57 (1972)

Bélanger, C., Cardinal, A.: Stades initiaux de colonisation de substrats durs dans la Baie-des-Chaleurs, Québec. [Initial Colonization Stages of Hard Substrata in the Baie-des-Chaleurs, Québec] **44**, 27 (1977)

Belbenoit, P., Bauer, R.: Video Recordings of Prey Capture Behaviour and Associated Electric Organ Discharge of *Torpedo marmorata* (Chondrichthyes) **17**, 93 (1972)

Belisle, B.W., see Findley, A.M., et al. **49**, 59 (1978)

Bellan, G., Reish, D.J., Foret, J.P.: The Sublethal Effects of a Detergent on the Reproduction, Development, and Settlement in the Polychaetous Annelid *Capitella capitata* **14**, 183 (1972)

Bellan-Santini, D.: Conclusions d'une étude quantitative dans la biocénose des algues photophiles en Méditerranée sur les côtes de Provence (France). [Conclusions of a Quantitative Survey on the Biocenosis of the Photophilous Seaweeds in the Mediterranean Sea, on the Coast of Provence (France)] **1**, 250 (1968)

Bellet, N.F., see Tracey, M.L., et al. **32**, 303 (1975)

Belman, B.W.: Some Aspects of the Circulatory Physiology of the Spiny Lobster *Panulirus interruptus* **29**, 295 (1975)

Belman, B.W., Gordon, M.S.: Comparative Studies on the Metabolism of Shallow-Water and Deep-Sea Marine Fishes. V. Effects of Temperature and Hydrostatic Pressure on Oxygen Consumption in the Mesopelagic Zoarcid *Melanostigma pammelas* **50**, 275 (1979)

Belman, B.W., see Gordon, M.S., et al. **35**, 287 (1976)

Belyaev, G.A., Mileikovsky, S.A.: In Memoriam of Academician Lev Alexandrovitch Zenkevitch **11**, 299 (1971)

Belyaev, V.I., Lenin, A.I., Petipa, T.S.: Mathematical Model of a Pelagic Ecosystem **31**, 1 (1975)

Ben-Tuvia, A.: Man-Made Changes in the Eastern Mediterranean Sea and Their Effect on the Fishery Resources **19**, 197 (1973)

Ben-Yami, M., Herzberg, A., Pisanty, S., Lurie, A.: A Side-Tracking Neuston Net **6**, 312 (1970)

Benayahu, Y., see Kashman, Y., et al. **55**, 255 (1980)

Benayoun, G., Fowler, S.W.: Long-Term Observations on the Moulting Frequency of the Shrimp *Lysmata seticaudata* **59**, 219 (1980)

Benayoun, G., Fowler, S.W., Oregioni, B.: Flux of Cadmium Through Euphausiids **27**, 205 (1974)

Benayoun, G., see Fowler, S.W. **37**, 59 (1976)

Benayoun, G., see Fowler, S.W., et al. **21**, 317 (1973)

Benayoun, G., see Polikarpov, G.G., et al. **53**, 79 (1979)

Benović, A.: Diurnal Vertical Migration of *Solmissus albescens* (Hydromedusae) in the Southern Adriatic **18**, 298 (1973)

Benson, A.A., see Patton, J.S., et al. **44**, 235 (1977)

Benson, A.A., see Blanquet, R.S., et al. **54**, 185 (1979)

Berdugo, V., see Harris, R.P., et al. **42**, 187 (1977)

Bereiter-Hahn, J.: Willi Kuhl in Memoriam **23**, 1 (1973)

Béress, L., see Möller, H. **32**, 189 (1975)

Béress, L., see Theede, H., et al. **36**, 183 (1976)

Berg, C.J., Jr.: Growth of the Queen Conch *Strombus gigas*, with a Discussion of the Practicality of Its Mariculture **34**, 191 (1976)

Berg, J.: Discussion of Methods of Investigating the Food of Fishes, with Reference to a Preliminary Study of the Prey of *Gobiusculus flavescens* (Gobiidae) **50**, 263 (1979)

Berger, W.H., see Röttger, R. **15**, 89 (1972)

Bergerard, J.: In Memoriam Georges Teissier **18**, 161 (1973)

Bergquist, P.R., Bedford, J.J.: The Incidence of Antibacterial Activity in Marine Demospongiae; Systematic and Geographic Considerations **46**, 215 (1978)

Bergquist, P.R., Hartman, W.D.: Free Amino Acid Patterns and the Classification of the Demospongiae **3**, 247 (1969)

Bergquist, P.R., Sinclair, M.E.: Seasonal Variation in Settlement and Spiculation of Sponge Larvae **20**, 35 (1973)

Berland, B.R., Maestrini, S.Y.: Study of Bacteria Associated with Marine Algae in Culture. II. Action of Antibiotic Substances **3**, 334 (1969)

Berland, B.R., Bianchi, M.G., Meastrini, S.Y.: Etude des bactéries associées aux Algues marines en culture. I. Détermination préliminaire des espèces. [Study of Bacteria Associated with Marine Algae in Culture. I. Preliminary Determination of Species **2**, 350 (1969)

Berland, B.R., Bonin, D.J., Meastrini, S.Y.: Study of Bacteria Associated with Marine Algae in Culture. III. Organic Substrates Supporting Growth **5**, 68 (1970)

Berland, B.R., Bonin, D.J., Daumas, R.A., Laborde, P.L., Maestrini, S.Y.: Variations du comportement physiologique de l'algue *Monallantus salina* (xanthophycée) en culture. [Variations of Physiological Characteristics of the Alga *Monallantus salina* (xanthophycea) in Culture] **7**, 82 (1970)

Berland, B.R., Bonin, D.J., Maestrini, S.Y.: Are Some Bacteria Toxic for Marine Algae? **12**, 189 (1972)

Berland, B.R., Bonin, D.J., Laborde, P.L., Meastrini, S.Y.: Variations de quelques facteurs estimatifs de la biomasse, et en particulier de l'ATP, chez plusieurs algues marines planctoniques. [Variations of Some Factors for Estimating the Biomass, and in Particular ATP, in Several Marine Planktonic Algae] **13**, 338 (1972)

Berland, B.R., Bonin, D.J., Coste, B., Maestrini, S.Y.: Minas, H.J.: Influence des conditions hivernales sur les productions phyto- et zooplanctoniques en Méditerranée Nord-Occidentale. III. Caractérisation des eaux de surface au moyen de cultures d'algues. [Influence of Winter Conditions on Phyto- and Zooplankton Production in the Northwestern Mediterranean. III. Characterization of Surface Waters by Means of Algal Cultures] **23**, 267 (1973)

Berland, B.R., Bonin, D.J., Guérin-Ancey, O.J., Kapkov, V.I., Arlhac, D.P.: Action de métaux lourds à des doses sublétales sur les caractéristiques de la croissance chez la diatomée *Skeletonema costatum*. [Action of Sublethal Doses of Heavy Metals on the Growth Characteristics of the Diatom *Skeletonema costatum*] **42**, 17 (1977)

Berland, B.R., Bonin, D.J., Guérin-Ancey, O.J., Antia, N.J.: Concentration Requirement of Glycine as Nitrogen Source for Supporting Effective Growth of Certain Marine Microplanktonic Algae **55**, 83 (1979)

Berman, M.S., Heinle, D.R.: Modification of the Feeding Behavior of Marine Copepods by Sub-Lethal Concentrations of Water-Accommodated Fuel Oil **56**, 59 (1980)

Berman, T.: Size Fractionation of Natural Aquatic Populations Associated with Autotrophic and Heterotrophic Carbon Uptake **33**, 215 (1975)

Berman, T., Holm-Hansen, O.: Release of Photoassimilated Carbon as Dissolved Organic Matter by Marine Phytoplankton **28**, 305 (1974)

Berman, T., see Williams, P.J. Le B., et al. **35**, 41 (1976)

Bernhard, M., Möller, F., Nassogne, A., Zattera, A.: Influence of Pore Size of Plankton Nets and Towing Speed on the Sampling Performance of Two High-Speed Samplers (Delfino I and II) and Its Consequences for the Assessment of Plankton Populations **20**, 109 (1973)

Bernhard, M., Ghibaudo, M., Lavarello, O., Peroni, C., Zattera, A.: A Sampler for the Aseptic Collection of Water Samples in the Sea **25**, 339 (1974)

Bernstein, B.B., Meador, J.P.: Temporal Persistence of Biological Patch Structure in an Abyssal Benthic Community **51**, 179 (1979)

Bertmar, G.: Ultrastructure of the Olfactory Mucosa in the Homing Baltic Sea Trout *Salmo trutta trutta* **19**, 74 (1973)

Bertmar, G., Strömberg, C.: The Feeding Mechanisms in Plankton Eaters. I. The Epibranchial Organs in Whitefish **3**, 107 (1969)

Betouhim-El, T., Kahan, D.: *Tisbe pori* n. sp. (Copepoda: Harpacticoida) from the Mediterranean Coast of Israel and Its Cultivation in the Laboratory **16**, 201 (1972)

Betz, M.: Investigations on the Simultaneous Uptake and Release of Mercury by *Dunaliella tertiolecta* **41**, 89 (1977)

Bhargava, R., see McLusky, D.S., et al. **30**, 267 (1975)

Bhargava, R.M.S., see Dehadrai, P.V. **17**, 30 (1972)

Bhattathiri, P.M.A., see Qasim, S.Z., et al. **12**, 200 (1972)

Bhattathiri, P.M.A., see Qasim, S.Z., et al. **16**, 22 (1972)

Bhattathiri, P.M.A., see Qasim, S.Z., et al. **21**, 299 (1973)

Bhaud, M.: Etude de la migration verticale quotidienne des larves de *Mesochaetopterus sagittarius* à Nosy-Bé (Madagascar). [Study of the Daily Vertical Migration of the

Larvae of *Mesochaetopterus sagittarius* of Nosy-Bé (Madagascar) **4**, 28 (1969)
Bhaud, M.: Quelques données sur le déterminisme ecologique de la reproduction des annélides polychètes. [Some Data on the Ecological Determinism of Reproduction in Polychaete Annelids **17**, 115 (1972)
Bhavanarayana, P.V., Ganapati, P.N.: Species Groups Among Pelagic Tunicates in the Western Part of the Bay of Bengal **11**, 173 (1971)
Bianchi, A.J.M.: Distribution de certaines bactéries hétérotrophes aérobies dans les sédiments profonds de Méditerranée Orientale. [Distribution of Certain Heterotrophic Aerobic Bacteria in Eastern Mediterranean Deep-Sea Sediments **11**, 106 (1971)
Bianchi, A.J.M.: Variations de la concentration bactérienne dans les eaux et les sédiments littoraux. [Variations in the Bacterial Concentration of Littoral Waters and Sediments **22**, 23 (1973)
Bianchi, M.G., see Berland, B.R., et al. **2**, 350 (1969)
Bickell, L.R., Chia, F.S.: Organogenesis and Histogenesis in the Planktotrophic Veliger of *Doridella steinbergae* (Opisthobranchia: Nudibranchia) **52**, 291 (1979)
Biebl, R., McRoy, C.P.: Plasmatic Resistance and Rate of Respiration and Photosynthesis of *Zostera marina* at Different salinities and Temperatures **8**, 48 (1971)
Bienfang, P., Gundersen, K.: Light Effects on Nutrient-Limited, Oceanic Primary Production **43**, 187 (1977)
Bierbaum, T.J., Zischke, J.A.: Changes in Barnacle Population Structure Along an Intertidal Community Gradient in the Florida Keys **53**, 345 (1979)
Bigford, T.E.: Effects of Oil on Behavioral Responses to Light, Pressure and Gravity in Larvae of the Rock Crab *Cancer irroratus* **43**, 137 (1977)
Bigford, T.E.: Ontogeny of Light and Gravity Responses in Rock Crab Larvae *(Cancer irroratus)* **52**, 69 (1979)
Biggs, D.C., see O'Connors, H.B., Jr. **56**, 65 (1980)
Biggs, R.B., Flemer, D.A.: The Flux of Particulate Carbon in an Estuary **12**, 11 (1972)
Bilio, M., see Barbaro, A., et al. **46**, 247 (1978)
Bilyard, G.R., Carey, A.G., Jr.: Distribution of Western Beaufort Sea Polychaetous Annelids **54**, 329 (1979)
Birkeland, C., see Spight, T.M., et al. **24**, 229 (1974)
Bischoff, W.L., see Winn, H.E., et al. **23**, 343 (1973)
Bittaker, H.F., Iverson, R.L.: *Thalassia testudinum* Productivity: A Field Comparison of Measurement Methods **37**, 39 (1976)
Bjorndal, K.A.: Nutrition and Grazing Behavior of the Green Turtle *Chelonia mydas* **56**, 147 (1980)
Blaber, S.J.M.: Population Size and Mortality of Juveniles of the Marine Teleost *Rhabdosargus holubi* (Pisces: Sparidae) in a Closed Estuary **21**, 219 (1973)
Blaber, S.J.M., Hill, B.J., Forbes, A.T.: Infratidal Zonation in a Deep South African Estuary **28**, 333 (1974)
Black, R.: Some Biological Interactions Affecting Intertidal Populations of the Kelp *Egregia laevigata* **28**, 189 (1974)
Black, R.: Tactics of Whelks Preying on Limpets **46**, 157 (1978)
Black, R., Johnson, M.S.: Asexual Viviparity and Population Genetics of *Actinia tenebrosa* **53**, 27 (1979)
Black, R.E.: Nucleic Acid and Protein Levels in Strobilating Polyps of *Chrysaora quinquecirrha* and *Aurelia aurita* **16**, 134 (1972)
Blackburn, M., Laurs, R.M., Owen, R.W., Zeitzschel, B.: Seasonal and Areal Changes in Standing Stocks of Phytoplankton, Zooplankton and Micronekton in the Eastern Tropical Pacific **7**, 14 (1970)
Blackburn, T.H., see Christensen, D. **58**, 97 (1980)
Blackman, R.R., see Nimmo, D.R., et al. **11**, 191 (1971)
Blackwelder, P.L., Weiss, R.E., Wilbur, K.M.: Effects of Calcium, Strontium, and Magnesium on the Coccolithophorid *Cricosphaera (Hymenomonas) carterae*. I. Calcification **34**, 11 (1976)
Blackwelder, P.L., see Weiss, R.E., et al. **34**, 17 (1976)
Blades, P.I.: Mating Behavior of *Centropages typicus* (Copepoda: Calanoida) **40**, 57 (1977)
Blades, P.I., Youngbluth, M.J.: Mating Behavior of *Labidocera aestiva* (Copepoda: Calanoida) **51**, 339 (1979)
Blair, A., see Cowey, C.B., et al. **10**, 145 (1971)
Blair, A., see Cowey, C.B., et al. **19**, 1 (1973)
Blanc, F., Kerambrun, P.: Essai d'appréciation d'une phénomène d'allométrie chimique dans un univers multivarié. Application à l'étude des populations naturelles de *Sphaeroma hookeri* (Crustacea: Isopoda Flabellifera). [An attempt to Estimate a Phenomenon of Chemical Allometry, by Means of a Multivariate Model. Application to the Study of the Natural Populations of *Sphaeroma hookeri* (Crustacea: Isopoda Flabellifera)] **17**, 158 (1972)
Blanc, F., Leveau, M.: Effets de l'eutrophie et de la dessalure sur les populations phytoplanctoniques. [Effects of Eutrophy and Desalination on the Phytoplanktonic Populations] **5**, 283 (1970)
Blanc, F., Coste, B., Minas, H.J., Szekielda, K.H.: Distribution et corrélations des principaux facteurs hydrobiologiques dans un milieu de forte production organique (Etang de Berre). [Distribution and Correlations of Principle Hydrobiological Factors in a Milieu of Intensive Organic Production (Etang de Berre)] **1**, 43 (1967)
Blanc, F., Leveau, M., Szekielda, K.H.: Effets eutrophiques au débouché d'un grand fleuve (Grand Rhône). [Eutrophic Effects at the Mouth of a Great River (Grand Rhône)] **3**, 233 (1969)
Blanc, F., Leveau, M., Bonin, M.-C., Laurec, A.: Ecologie d'un milieu eutrophique: traitement mathématique des données [Ecology of a Eutrophic Environment: Mathematical Analysis of Data **14**, 120 (1972)
Blanc, F., Chardy, P., Laurec, A., Reys, J.-P.: Choix des métriques qualitatives en analyse d'inertie. Implications en écologie marine benthique. [Choice of Qualitative Indices in Inertia Analysis. Implications in Marine Benthic Ecology] **35**, 49 (1976)
Blanc, M.J. Le, see Chan, A.T., et al. **59**, 7 (1980)
Bland, J.A., Brock, T.D.: The Marine Bacterium *Leucothrix mucor* as an Algal Epiphyte **23**, 283 (1973)
Blanquet, R.S., Nevenzel, J.C., Benson, A.A.: Acetate Incorporation into the Lipids of the Anemone *Anthopleura elegantissima* and Its Associated Zooxanthellae **54**, 185 (1979)
Blasco, D.: Observations on the Diel Migration of Marine Dinoflagellates off the Baja California Coast **46**, 41 (1978)
Blaxter, J.H.S., see Ehrlich, K.F., et al. **35**, 105 (1976)
Blaxter, J.H.S., see Sargent, J.R., et al. **51**, 203 (1979)
Blogoslawski, W.J., Stewart, M.E.: Paralytic Shellfish Poison in *Spisula solidissima:* Anatomical Location and Ozone Detoxification **45**, 261 (1978)
Bloom, S.A., Simon, J.L., Hunter, V.D.: Animal-Sediment Relations and Community Analysis of a Florida Estuary **13**, 43 (1972)
Blumer, M., Souza, G., Sass, J.: Hydrocarbon Pollution of Edible Shellfish by an Oil Spill **5**, 195 (1970)
Blumer, M., Mullin, M.M., Guillard, R.R.L.: A Polyunsaturated Hydrocarbon (3, 6, 9, 12, 15, 18-Heneicosahexaene) in the Marine Food Web **6**, 226 (1970)
Blumer, M., Guillard, R.R.L., Chase, T.: Hydrocarbons of Marine Phytoplankton **8**, 183 (1971)
Blumer, M., see Youngblood, W.W. **21**, 163 (1973)
Blumer, M., see Youngblood, W.W., et al. **8**, 190 (1971)
Blumer, M., see Zafiriou, O., et al. **13**, 137 (1972)
Boaden, P.J.S.: Meiofaunal Thiobios and "the *Arenicola* Negation": Case Not Proven **58**, 25 (1980)
Board, P.A., Feaver, M.J.: Rearing and Radiographing the Shipworm *Lyrodus pedicellatus* **20**, 265 (1973)
Bobbie, R.J., see Morrison, S.J., et al. **41**, 229 (1977)
Bodiou, J.-Y., Chardy, P.: Analyse en composantes principales du cycle annuel d'un peuplement de copépodes harpacticoïdes des sables fins infralittoraux de Banyuls-sur-Mer. [Principal Component Analysis of the Annual Cycle of an Harpacticoid Copepod Assemblage from the Infralittoral Fine Sands of Banyuls-sur-Mer] **20**, 27 (1973)
Bodner, M., see Kashman, Y., et al. **55**, 255 (1980)

Bodoy, A., see Ansell, A.D., et al. **58**, 33 (1980)
Bodoy, A., see Ansell, A.D., et al. **58**, 41 (1980)
Bodungen, B. von, Bröckel, K. von, Smetacek, V., Zeitzschel, B.: The Plankton Tower. I. A Structure to Study Water/Sediment Interactions in Enclosed Water Columns **34**, 369 (1976)
Bodungen, B. von, see Smetacek, V., et al. **34**, 373 (1976)
Böhm, E.L., see Velimirov, B. **35**, 269 (1976)
Böhm, L.: Application of the ^{45}Ca Tracer Method for Determination of Calcification Rates in Calcareous Algae: Effect of Calcium Exchange and Differential Saturation of Algal Calcium Pools **47**, 9 (1978)
Boehm, P.D., Quinn, J.G.: The Persistence of Chronically Accumulated Hydrocarbons in the Hard Shell Clam *Mercenaria mercenaria* **44**, 227 (1977)
Boero, F.: *Hebella parasitica* (Cnidaria, Hydroida): A Thecate Polyp Producing an Anthomedusa **59**, 133 (1980)
Boesch, D.F.: Classification and Community Structure of Macrobenthos in the Hampton Roads Area, Virgina **21**, 226 (1973)
Boesch, D.F., see McEachran, J.D., et al. **35**, 301 (1976)
Boeyé, A., Wayenbergh, M., Aerts, M.: Density and Composition of Heterotrophic Bacterial Populations in North Sea Sediments **32**, 263 (1975)
Boffi, E.: Ecological Aspects of Ophiuroids from the Phytal of S. W. Atlantic Ocean Warm Waters **15**, 316 (1972)
Bohling, H.: Untersuchungen über freie Aminosäuren in Meerwasser. [Investigations on Free Dissolved Amino Acids in Sea Water] **6**, 213 (1970)
Bohling, H.: Gelöste Aminosäuren in Oberflächenwasser der Nordsee bei Helgoland: Konzentrationsveränderungen im Sommer 1970. [Dissolved Amino Acids in Surface Water of the North Sea near Helgoland: Concentration Changes During Summer 1970] **16**, 281 (1972)
Boilly-Marer, Y.: Etude expérimentable du comportement nuptial de *Platynereis dumerilii* (Annelida: Polychaeta): chémoréception, émission des produites génitaux. [Experimental Study on the Nuptial Behaviour of *Platynereis dumerilii* (Annelida: Polychaeta): Chemoreception, Emission of Genital Products] **24**, 167 (1974)
Bois, J.F., see Herbland, A.M. **24**, 203 (1974)
Boletzky, M.V. von, see Boletzky, S. von, et al. **8**, 82 (1971)
Boletzky, S. von, Boletzky, M.V. von, Frösch, D., Gätzi, V.: Laboratory Rearing of Sepiolinae (Mollusca: Cephalopoda) **8**, 82 (1971)
Boletzky, S. von, see Mangold, K. **19**, 7 (1973)
Boletzky, S. von, see Overath, H. **27**, 333 (1974)
Boletzky, S. von, see Mangold, K., et al. **8**, 109 (1971)
Bolton, E.T., see Pruder, G.D. **59**, 1 (1980)
Boltovskoy, D.: Study of Surface-Shell Features in Thecosomata (Pteropoda: Mollusca) by Means of Scanning Electron Microscopy **27**, 165 (1974)
Boltovskoy, E.: Distribution of the Marine Littoral Foraminifera in Argentina, Uruguay and Southern Brazil **6**, 335 (1970)
Bomirski, A., Klek, E.: Action of Eyestalks on the Ovary in *Rhithropanopeus harrisii* and *Crangon crangon* (Crustacea: Decapoda) **24**, 329 (1974)
Bonar, D., see Strathmann, R. **34**, 317 (1976)
Bonatti, K., see Morrison, G., et al. **40**, 51 (1977)
Bonin, D.J., see Berland, B.R., et al. **5**, 68 (1970)
Bonin, D.J., see Berland, B.R., et al. **7**, 82 (1970)
Bonin, D.J., see Berland, B.R., et al. **12**, 189 (1972)
Bonin, D.J., see Berland, B.R., et al. **13**, 338 (1972)
Bonin, D.J., see Berland, B.R., et al. **23**, 267 (1973)
Bonin, D.J., see Berland, B.R., et al. **42**, 17 (1977)
Bonin, D.J., see Berland, B.R., et al. **55**, 83 (1979)
Bonin, M.-C., see Blanc, F., et al. **14**, 120 (1972)
Booth, B.C., Lewin, J., Norris, R.E.: Siliceous Nanoplankton. I. Newly Discovered Cysts from the Gulf of Alaska **58**, 205 (1980)
Borgne, R.P. Le: Etude de la respiration et de l'excrétion d'azote et de phosphore des populations zooplanctoniques de l'upwelling mauritanien (mars-avril, 1972). [Study of the Respiration and the Nitrogen and Phosphorus Excretion of Zooplanktonic Populations of the Maritanian Upwelling (March – April, 1972)] **19**, 249 (1973)
Borowitzka, M.A.: Calcium Exchange and the Measurement of Calcification Rates in the Calcareous Coralline Red Alga *Amphiroa foliacea* **50**, 339 (1979). Corrigendum Notice **54**, 394 (1979)
Borowitzka, M.A., Vesk, M.: Ultrastructure of the Corallinaceae. I. The Vegetative Cells of *Corallina officinalis* and *C. cuvierii* **46**, 295 (1978)
Borowitzka, M.A., see Crossland, C.J., et al. **60**, 81 (1980)
Borowsky, B.: Reproductive Patterns of Three Intertidal Salt-Marsh Gammaridean Amphipods **55**, 327 (1980)
Bosch, H.F., Rowland Taylor, W.: Distribution of the Cladoceran *Podon polyphemoides* in the Chesapeake Bay **19**, 161 (1973)
Bosch, H.F., Rowland Taylor, W.: Diurnal Vertical Migration of an Estuarine Cladoceran, *Podon polyphemoides*, in the Chesapeake Bay **19**, 172 (1973)
Botha, L., see McLachlan, A., et al. **40**, 355 (1977)
Boto, G., see Bunt, J.S., et al. **52**, 123 (1979)
Boto, K.G., see Bunt, J.S., et al. **52**, 123 (1979)
Bottino, N.R.: The Fatty Acids of Antarctic Phytoplankton and Euphausiids. Fatty Acid Exchange Among Trophic Levels of the Ross Sea **27**, 197 (1974)
Bottom, D., see Watling, L., et al. **52**, 207 (1979)
Bottoms, A., Marlow, J.: A New Ultrasonic Tag for the Telemetry of Physiological Functions from Aquatic Animals **50**, 127 (1979)
Boucaud-Camou, E.: Constituants lipidiques du foie de *Sepia officinalis*. [Lipid Constituents of the Liver of *Sepia officinalis*] **8**, 66 (1971)
Boucher, J., Thiriot, A.: Zooplancton et micronecton estivaux des deux cents premiers mètres en Méditerranée Occidentale. [Summer Zooplankton and Micronekton in the First Two Hundred Meters of the Western Mediterranean] **15**, 47 (1972)
Boucher-Rodoni, R.: Vitesse de digestion d'*Octopus cyanea* (cephalopoda: octopoda). [Digestion Rate in *Octopus cyanea* (Cephalopoda: Octopoda)] **18**, 237 (1973)
Bouchon, C., see Harmelin-Vivien, M.L. **37**, 329 (1976)
Bouillon, J., see Tiffon, Y., et al. **3**, 126 (1969)
Bourget, E.: Environmental and Structural Control of Trace Elements in Barnacle Shells **28**, 27 (1974)
Bourget, E., see Cossa, D., et al. **58**, 7 (1980)
Bouwman, L.A., see Jonge, V.N. de **42**, 143 (1977)
Bowen, R.A., Onge, J.M. St., Colton, J.B., Jr., Price, C.A.: Density-Gradient Centrifugation as an Aid to Sorting Planktonic Organisms. I. Gradient Materials **14**, 242 (1972)
Bowes, P.M., see Carlucci, A.F., et al. **7**, 161 (1970)
Boyden, C.R., Watling, H., Thornton, I.: Effect of Zinc on the Settlement of the Oyster *Crassostrea gigas* **31**, 227 (1975)
Boyle, P.J., see Sleeter, T.D., et al. **45**, 329 (1978)
Braaten, B., see Swedmark, M., et al. **9**, 183 (1971)
Bradbury, R.H.: Complex Systems in Simple Environments: A Demersal Fish Community **50**, 17 (1978)
Branch, G.M.: Ecology of *Patella* Species from the Cape Peninsula, South Africa. IV. Desiccation **32**, 179 (1975)
Branch, G.M., Newell, R.C.: A Comparative Study of Metabolic Energy Expenditure in the Limpets *Patella cochlear*, *P. oculus* and *P. granularis* **49**, 351 (1978)
Branford, J.R.: Incubation Period for the Lobster *Homarus gammarus* at Various Temperatures **47**, 363 (1978)
Braun, K., Künnemann, H., Laudien, H.: Der Einfluß von Temperaturänderungen auf Enzyme der Fischmuskulatur. Versuche mit *Rhodeus amarus*. [The Influence of Temperature Changes on Enzymes of the Fish Muscle. Experiments with *Rhodeus amarus*] **7**, 59 (1970)
Breen, P.A., Mann, K.H.: Changing Lobster Abundance and the Destruction of Kelp Beds by Sea Urchins **34**, 137 (1976)
Bremer, G.B., see Alderman, D.J., et al. **25**, 345 (1974)
Brenchley, G.A.: Predator Detection and Avoidance: Ornamentation of Tube-Cabs

of *Diopatra* spp. (Polychaeta: Onuphidae) **38**, 179 (1976)
Brenko, M.Hrs., Calabrese, A.: The Combined Effects of Salinity and Temperature on Larvae of the Mussel *Mytilus edulis* **4**, 224 (1969)
Brereton, A., Lord, H., Thornton, I., Webb, J.S.: Effect of Zinc on Growth and Development of Larvae of the Pacific Oyster *Crassostrea gigas* **19**, 96 (1973)
Bressan, G., Comelli, E.: Observations en culture sur les phases initiales de développement de *Peyssonnelia squamaria*. [Observations on the Initial Phases of Development of *Peyssonnelia squamaria* in Culture] **40**, 299 (1977)
Breter, H.-J., Kurelec, B., Müller, W.E.G., Zahn, R.K.: Thymine Content of Sea Water as a Measure of Biosynthetic Potential **40**, 1 (1977)
Brewer, C.C., see Wright, D.A. **50**, 151 (1979)
Briand, F. J.-P.: Effects of Power-Plant Cooling Systems on Marine Phytoplankton **33**, 135 (1975)
Brinkhuis, B.H.: The Ecology of Temperate Salt-Marsh Fucoids. I. Occurrence and Distribution of *Ascophyllum nodosum* Ecads **34**, 325 (1976)
Brinkhuis, B.H.: Seasonal Variations in Salt-Marsh Macroalgae Photosynthesis. I. *Ascophyllum nodosum* ecad *scorpiodides* **44**, 165 (1977)
Brinkhuis, B.H.: Seasonal Variations in Salt-Marsh Macroalgae Photosynthesis. II. *Fucus vesiculosus* and *Ulva lactuca* **44**, 177 (1977)
Brinkhuis, B.H., Jones, R.F.: Phytosynthesis in Whole Plants of *Chondrus crispus* **27**, 137 (1974)
Brinkhuis, B.H., Jones, R.F.: The Ecology of Temperate Salt-Marsh Fucoids. II. *In situ* Growth of Transplanted *Ascophyllum nodosum* Ecads **34**, 339 (1976)
Brinkhuis, B.H., Tempel, N.R., Jones, R.F.: Photosynthesis and Respiration of Exposed Salt-Marsh Fucoids **34**, 349 (1976)
Brinkhuis, B.H., Penello, W.F., Churchill, A.C.: Cadmium and Manganese Flux in Eelgrass *Zostera marina*. II. Metal Uptake by Leaf and Root-Rhizome Tissues **58**, 187 (1980)
Brinkhuis, B.H., see Penello, W.F. **58**, 181 (1980)
Britvić, S., see Kurelec, B., et al. **44**, 211 (1977)
Brock, R.E.: An Experimental Study on the Effects of Grazing by Parrotfishes and Role of Refuges in Benthic Community Structure **51**, 381 (1979)
Brock, R.E., Lewis, C., Wass, R.C.: Stability and Structure of a Fish Community on a Coral Patch Reef in Hawaii **54**, 281 (1979)
Brock, T.D., see Bland, J.A. **23**, 283 (1973)
Brock, V.: Habitat Selection of Two Congeneric Bivalves, *Cardium edule* and *C. glaucum* in Sympatric and Allpatric Populations **54**, 149 (1979)
Brockmann, U.H., Eberlein, K., Junge, H.D., Trageser, H., Trahms, K.J.: Einfache Folientanks zur Planktonuntersuchung *in situ* [Simple Foil Tanks for *in situ* Plankton Investigation] **24**, 163 (1974)
Brockmann, U.H., Kattner, G., Hentzschel, G., Wandschneider, K., Junge, H.D., Hühnerfuß, H.: Natürliche Oberflächenfilme im Seegebiet vor Sylt. [Natural Surface Films in the Sea Area near Sylt] **36**, 135 (1976)
Brockmann, U.H., Eberlein, K., Hosumbek, P., Trageser, H., Maier-Reimer, E., Schöne, H.K., Junge, H.D.: The Development of a Natural Plankton Population in an Outdoor Tank with Nutrient-Poor Sea Water. I. Phytoplankton Succession **43**, 1 (1977)
Brody, R., see Mandelli, E.F., et al. **7**, 153 (1970)
Bröckel, K. von, see Bodungen, B. von, et al. **34**, 369 (1976)
Bröckel, K. von, see Smetacek, V., et al. **34**, 373 (1976)
Bröckel, K. von, see Smetacek, V., et al. **47**, 211 (1978)
Bröckel, K. von, see Kremling, K., et al. **48**, 1 (1978)
Brooks, A.L., see Steven, D.M. **14**, 345 (1972)
Brooks, R.D., Goos, R.D., Sieburth, J. McN.: Fungal Infestation of the Surface and Interior Vessels of Freshly Collected Driftwood **16**, 274 (1972)
Broom, M.J., Mason, J.: Growth and Spawning in the Pectinid *Chlamys opercularis* in Relation to Temperature and Phytoplankton Concentration **47**, 277 (1978)
Brousseau, D.J.: Population Dynamics of the Soft-Shell Clam *Mya arenaria* **50**, 63 (1978)
Brousseau, D.J.: Analysis of Growth Rate in *Mya arenaria* Using the Von Bertalanffy Equation **51**, 221 (1979)
Brown, B.E., Dunne, R.P.: Environmental Controls of Patch-Reef Growth and Development **56**, 85 (1980)
Brown, B.E., Newell, R.C.: The Effect of Copper and Zinc on the Metabolism of the Mussel *Mytilus edulis* **16**, 108 (1972)
Brown, B.E., see Stevens, J.D. **26**, 287 (1974)
Brown, B.E., see Newell, P.F., et al. **51**, 93 (1979)
Brown, C., see Murchelano, R.A. **7**, 1 (1970)
Brown, C.M., Macdonald-Brown, D.S., Stanley, S.O.: Inorganic Nitrogen Metabolism in Marine Bacteria: Nitrate Uptake and Reduction in a Marine Pseudomonad **31**, 7 (1975)
Brown, C.M., see Stanley, S.O. **38**, 101 (1976)
Brown, C.M., see Miller, D., et al. **50**, 375 (1979)
Brown, D.A.: Increases of Cd and the Cd: Zn Ratio in the High Molecular Weight Protein Pool from Apparently Normal Liver of Tumor-Bearing Flounders *(Parophrys vetulus)* **44**, 203 (1977)
Brown, D.A., see Cowey, C.B., et al. **28**, 207 (1974)
Brown, D.H.: The Effect of Kuwait Crude Oil and a Solvent Emulsifier on the Metabolism of the Marine Lichen *Lichina pygmaea* **12**, 309 (1972)
Brown, D.H.: Toxicity Studies on the Components of an Oil-Spill Emulsifier Using *Lichina pygmaea* and *Xanthoria parietina* **18**, 291 (1973)
Brown, D.M., Honegger, H.-W.: Design of a Rapid-Sampling Vertical-Tow Net **45**, 93 (1978)
Bruce, R.H., Aiken, J.: The Undulating Oceanographic Recorder – A New Instrument System for Sampling Plankton and Recording Physical Variables in the Euphotic Zone from a Ship Underway **32**, 85 (1975)
Bruce, R.H., see Aiken, J., et al. **39**, 77 (1977)
Bruslé, J.: Sexualité d'*Asterina gibbosa*, asteride hermaphrodite, des côtes de Marseille. [Sexuality in *Asterina gibbosa*, Hermaphroditic Asterid from the Coasts of Marseille] **3**, 276 (1969)
Brylinsky, M.: Release of Dissolved Organic Matter by Some Marine Macrophytes **39**, 213 (1977)
Bubel, A.: An Electron-Microscope Study of Periostracum Formation in Some Marine Bivalves. I. The Origin of the Periostracum **20**, 213 (1973)
Bubel, A.: An Electron-Microscope Study of Periostracum Formation in Some Marine Bivalves. II. The Cells Lining the Periostracal Groove **20**, 222 (1973)
Bubel, A.: An Electron-Microscope Study of Periostracum Repair in *Mytilus edu.is* **20**, 235 (1973)
Bubel, A.: An Electron-Microscope Investigation of the Cells Lining the Outer Surface of the Mantle in Some Marine Molluscs **21**, 245 (1973)
Bubel, A.: An Electron-Microscope Investigation into the Distribution of Polyphenols in the Periostracum and Cells of the Inner Face of the Outer Fold of *Mytilus edulis* **23**, 2 (1973)
Bubel, A.: An Electron-Microscope Investigation into the Cuticle and Associated Tissues of the Operculum of Some Marine Serpulids **23**, 147 (1973)
Bubić, S., see Hrs-Brenko, M., et al. **44**, 109 (1977)
Buchanan, D.V., see Armstrong, D.A., et al. **38**, 239 (1976)
Buchanan, D.V., see Caldwell, R.S., et al. **48**, 11 (1978)
Budd, J.A.: Catabolism of Trimethylamine by a Marine Bacterium, *Pseudomonas* NCMB 1154 **4**, 257 (1969)
Budd, J.A., Spencer, C.P.: The Utilisation of Alkylated Amines by Marine Bacteria **2**, 92 (1968)
Bückmann, A.: Die Verbreitung der Kaltwasser- und der Warmwasserfauna der Appendicularien im nördlichen Nordatlantischen Ozean im Spätwinter und Spätsommer 1958. [The Distribution of the Cold and Warm Water Fauna of Appendicularians in the Northern North Atlantic Ocean During Late Winter and Late Summer 1958] **5**, 35 (1970)
Bückmann, A.: Sorted Samples and Quantitative Counts in Appendicularian Catches **21**, 349 (1973)
Buhr, K.-J.: Suspension-Feeding and Assimilation Efficiency in *Lanice conchilega*

(Polychaeta) **38**, 373 (1976) Corrigendum Notice **43**, 282 (1977)
Bulleid, N.C., see Smith, D.F., et al. **54**, 49 (1979)
Bunt, J.S., Lee, C.C., Lee, E.: Primary Productivity and Related Data from Tropical and Subtropical Marine Sediments **16**, 28 (1972)
Bunt, J.S., Boto, K.G., Boto, G.: A Survey Method for Estimating Potential Levels of Mangrove Forest Primary Production **52**, 123 (1979)
Burdon-Jones, C., see Denton, G.R.W., et al. **57**, 201 (1980)
Burkholder, P.R., see Mandelli, E.F., et al. **7**, 153 (1970)
Burla, H., Ferlin, V., Pabst, B., Ribi, G.: Notes on the Ecology of *Astropecten aranciacus* **14**, 235 (1972)
Burns, K.A.: Hydrocarbon Metabolism in the Intertidal Fiddler Crab *Uca pugnax* **36**, 5 (1976)
Burns, K.A., see Smith, K.L., Jr., et al. **12**, 196 (1972)
Buroker, N.E., Hershberger, W.K., Chew, K.K.: Population Genetics of the Family Ostreidae. I. Intraspecific Studies of *Crassostrea gigas* and *Saccostrea commercialis* **54**, 157 (1979)
Buroker, N.E., Hershberger, W.K., Chew, K.K.: Population Genetics of the Family Ostreidae. II. Interspecific Studies of the Genera *Crassostrea* and *Saccostrea* **54**, 171 (1979)
Burris, J.E.: Photosynthesis, Photorespiration, and Dark Respiration in Eight Species of Algae **39**, 371 (1977)
Busch, D.A., Loveland, R.E.: Tube-Worm-Sediment Relationships in Populations of *Pectinaria gouldii* (Polychaeta: Pectinariidae) from Barnegat Bay, New Jersey, USA **33**, 255 (1975)
Butler, A.J., see Keough, M.J. **51**, 167 (1979)
Butler, A.J., see McKillup, S.C. **50**, 157 (1979)
Butler, M., see Hall, A., et al. **54**, 195 (1979)
Buurt, G. van, see Colijn, F. **31**, 209 (1975)
Byrne, C.J., Calder, J.A.: Effect of the Water-Soluble Fractions of Crude, Refined and Waste Oils on the Embryonic and Larval Stages of the Quahog Clam *Mercenaria* sp. **40**, 225 (1977)

C

Cahet, G., Fiala, M., Jacques, G., Panouse, M.: Production primaire au niveau de la thermocline en zone néritique de Méditerranée Nord-Occidentale. [Primary Production at the Thermocline Level in the Neritic Zone of the North-Occidental Mediterranean] **14**, 32 (1972)
Cain, R.L., Dean, J.M.: Annual Occurrence, Abundance and Diversity of Fish in a South Carolina Intertidal Creek **36**, 369 (1976)
Cain, T.D.: The Combined Effects of Temperature and Salinity on Embryos and Larvae of the Clam *Rangia cuneata* **21**, 1 (1973)
Caine, E.A.: Feeding Mechanisms and Possible Resource Partitioning of the Caprellidae (Crustacea: Amphipoda) from Puget Sound, USA **42**, 331 (1977)
Caine, E.A.: Ecology of Two Littoral Species of Caprellid Amphipods (Crustacea) from Washington, USA **56**, 327 (1980)
Calabrese, A., Collier, R.S., Nelson, D.A., MacInnes, J.R.: The Toxicity of Heavy Metals to Embryos of the American Oyster *Crassostra virginica* **18**, 162 (1973)
Calabrese, A., MacInnes, J.R., Nelson, D.A., Miller, J.E.: Survival and Growth of Bivalve Larvae Under Heavy-Metal Stress **41**, 179 (1977)
Calabrese, A., see Brenko, M.Hrs. **4**, 224 (1969)
Calabrese, A., see Nelson, D.A., et al. **43**, 293 (1977)
Calder, D.R.: Laboratory Observations on the Life History of *Rhopilema verrilli* (Scyphozoa: Rhizostomeae) **21**, 109 (1973)
Calder, J.A., see Byrne, C.J. **40**, 225 (1977)
Caldwell, D.K., see Karol, R., et al. **47**, 115 (1978)
Caldwell, J., see Gaines, M.S., et al. **27**, 327 (1974)
Caldwell, M.C., see Karol, R., et al. **47**, 115 (1978)
Caldwell, R.S., Armstrong, D.A., Buchanan, D.V., Mallon, M.H., Millemann, R.E.: Toxicity of the Fungicide Captan to the Dungeness Crab *Cancer magister* **48**, 11 (1978)
Caldwell, R.S., see Armstrong, D.A., et al. **38**, 239 (1976)
Calloway, C.B.: Morphology of the Introvert and Associated Structures of the Priapulid *Tubiluchus corallicola* from Bermuda **31**, 161 (1975)
Calomiris, J.J., see Walker, J.D., et al. **34**, 1 (1976)
Calvin, N.I., Ellis, R.J.: Quantitative and Qualitative Observation on *Laminaria dentigera* and Other Subtidal Kelps of Southern Kodiak Island, Alaska **47**, 331 (1978)
Campbell, C.A., Valentine, J.W., Ayala, F.J.: High Genetic Variability in a Population of *Tridacna maxima* from the Great Barrier Reef **33**, 341 (1975)
Campbell, N.A., see Phillips, B.F., et al. **39**, 31 (1977)
Campbell, R., see Smith, D.F., et al. **54**, 49 (1979)
Campbell, R.A., Haedrich, R.L., Munroe, T.A.: Parasitism and Ecological Relationships Among Deep-Sea Benthic Fishes **57**, 301 (1980)
Campbell, S.A.: Seasonal Cycles in the Carotenoid Content in *Mytilus edulis* **4**, 227 (1969)
Campbell, S.A.: The Occurrence and Effects of *Mytilicola intestinalis* in *Mytilus edulis* **5**, 89 (1970)
Campodonico, I., see Fagetti, E. **8**, 70 (1971)
Campodonico, I., see Fagetti, E. **18**, 129 (1973)
Cancino, J., see Castilla, J.C. **37**, 255 (1976)
Cancino, J., see Santelices, B., et al. **59**, 119 (1980)
Cantelmo, F.R., Rao, K.R.: Effect of Pentachlorophenol (PCP) on Meiobenthic Communities Established in an Experimental System **46**, 17 (1978)
Canzonier, W.J., see Fossato, V.U. **36**, 243 (1976)
Caperon, J., Ziemann, D.A.: Synergistic Effects of Nitrate and Ammonium Ion on the Growth and Uptake Kinetics of *Monochrysis lutheri* in Continuous Culture **36**, 73 (1976)
Caperon, J., Schell, D., Hirota, J., Laws, E.: Ammonium Excretion Rates in Kaneohe Bay, Hawaii, Measured by a ^{15}N Isotope Dilution Technique **54**, 33 (1979)
Caperon, J., see Griffiths, F.B. **54**, 301 (1979)
Caperon, J., see Laws, E. **36**, 85 (1976)
Capezzani, A., see Bastida, R., et al. **10**, 297 (1971)
Capezzani, D.A., see Ciechomski, J.D. de **2**, 277 (1969)
Capone, D.G., Taylor, B.F.: Nitrogen Fixation (Acetylene Reduction) in the Phyllosphere of *Thalassia testudinum* **40**, 19 (1977)
Capone, D.G., Taylor, D.L., Taylor, B.F.: Nitrogen Fixation (Acetylene Reduction) Associated with Macroalgae in a Coral-Reef Community in the Bahamas **40**, 29 (1977)
Capriulo, G.M., Carpenter, E.J.: Grazing by 35 to 202 µm Micro-Zooplankton in Long Island Sound **56**, 319 (1980)
Cardinal, A., see Bélanger, C. **44**, 27 (1977)
Cardinal, A., see Fortier, L., et al. **46**, 349 (1978)
Carefoot, T.H.: Feeding, Food Preference, and the Uptake of Food Energy by the Supralittoral Isopod *Ligia pallasii* **18**, 228 (1973)
Carefoot, T.H.: Studies on the Growth, Reproduction, and Life Cycle of the Supralittoral Isopod *Ligia pallasii* **18**, 302 (1973)
Carey, A.G., Jr., see Bilyard, G.R. **54**, 329 (1979)
Carlucci, A.F., Hartwig, E.O., Bowes, P.M.: Biological Production of Nitrite in Seawater **7**, 161 (1970)
Carnwarth, J.W., see Newell, P.F., et al. **51**, 93 (1979)
Carpenter, E.J., Peck, B.B., Anderson, S.J.: Cooling Water Chlorination and Productivity of Entrained Phytoplankton **16**, 37 (1972)
Carpenter, E.J., Peck, B.B., Anderson, S.J.: Survival of Copepods Passing Through a Nuclear Power Station on Northeastern Long Island Sound, USA **24**, 49 (1974)
Carpenter, E.J., see Capriulo, G.M. **56**, 319 (1980)
Carreto, J.I., Catoggio, J.A.: Variations in Pigment Contents of the Diatom *Phaeodactylum tricornutum* During Growth **36**, 105 (1976)
Carreto, J.I., Catoggio, J.A.: An Indirect Method for the Rapid Estimation of Carotenoid Contents in *Phaeodactylum tricornutum:* Possible Application to Other Marine Algae **40**, 109 (1977)
Carriker, M.R.: Ultrastructural Analysis of Dissolution of Shell of the Bivalve *Mytilus*

edulis by the Accessory Boring Organ of the Gastropod *Ursosalpinx cinerea* **48**, 105 (1978)
Carriker, M.R., Schaadt, J.G., Peters, V.: Analysis by Slow-Motion Picture Photography and Scanning Electron Microscopy of Radular Function in *Urosalpinx cincrea follyensis* (Muricidae, Gastropoda) During Shell Penetration **25**, 63 (1974)
Carriker, M.R., see Gordon, J. **57**, 251 (1980)
Carriker, M.R., see Zottoli, R.A. **27**, 307 (1974)
Carruthers, A.B., see Hollibaugh, J.T., et al. **59**, 15 (1980)
Carson, R.M., see Roe, H.S.J., et al. **56**, 247 (1980)
Casey, S., see Yarish, C., et al. **51**, 289 (1979)
Casimir, M.J.: Zur Morphologie, Histochemie, Tagesperiodik und Biologie der Operculardrüse bei Labriden und Scariden (Pisces). [On the Morphology, Histochemistry, Diurnal Rhythms and Biology of the Opercular Gland of Labrids and Scarids (Pisces)] **8**, 126 (1971)
Casimir, M.J., Fricke, H.W.: Zur Funktion, Morphologie und Histochemie der Schwanzdrüse bei Röhrenaalen (Pisces, Apodes, Heterocongridae). [On Function Morphology and Histochemistry of the Tail Gland in Garden Eels (Pisces, Apodes, Heterocongridae)] **9**, 339 (1971)
Castagna, M., see Kennedy, V.S., et al. **24**, 137 (1974)
Castello, H.P., see Clarke, M.R., et al. **59**, 235 (1980)
Castilla, J.C.: Responses of *Asterias rubens* to Bivalve Prey in a Y-Maze **12**, 222 (1972)
Castilla, J.C.: Avoidance Behaviour of *Asterias rubens* to Extracts of *Mytilus edulis*, Solutions of Bacteriological Peptone, and Selected Amino Acids **15**, 236 (1972)
Castilla, J.C., Cancino, J.: Spawning Behaviour and Egg Capsules of *Concholepas concholepas* (Mollusca: Gastropoda: Muricidae) **37**, 255 (1976)
Castilla, J.C., see Santelices, B., et al. **59**, 119 (1980)
Castro, P.: Movements Between Coral Colonies in *Trapezia ferruginea* (Crustacea: Brachyura), an Obligate Symbiont of Scleractinian Corals **46**, 237 (1978)
Catoggio, J.A., see Carreto, J.I. **36**, 105 (1976)
Catoggio, J.A., see Carreto, J.I. **40**, 109 (1977)
Caumette, P., Baleux, B.: Etude des eaux rouges dues à la prolifération des bactéries photosynthétiques sulfo-oxydantes dans l'étang du Prévost, lagune saumâtre méditerranéenne. [Study of Red Water Due to the Proliferation of Photosynthetic Sulfide-Oxidizing Bacteria in the Lake of Prévost, a Brackish Mediterranean Lagoon] **56**, 183 (1980)
Cawthorne, D.F.: Tolerance of Some Cirripede Nauplii to Fluctuating Salinities **46**, 321 (1978)
Ceccaldi, H.J., see Guary, M.M., et al. **32**, 349 (1975)
Cefalu, R., see Meyers, S.P., et al. **6**, 43 (1970)
Cefalu, R.C., see Hopper, B.E., et al. **23**, 293 (1973)
Cernichiari, E., see Muscatine, L., et al. **13**, 298 (1972)
Chacko, S.: The Central Nervous System of *Thenus orientalis* (Leach) **1**, 113 (1967)
Chad, R.L., see Meyers, P.A., et al. **49**, 197 (1978)
Champalbert, G.: Microdistribution d'un pontellidae dans le Golfe de Marseille: *Anomalocera patersoni*. [Microdistribution of a Pontellidae in the Gulf of Marseille: *Anomalocera patersoni* **2**, 346 (1969)
Champalbert, G.: Métabolisme respiratoire d'*Anomalocera patersoni* (Copepoda: Pontellidae). [Respiratory Metabolism of *Anomalocera patersoni* (Copepoda: Pontellidae)] **19**, 315 (1973)
Champalbert, G.: Contribution à l'étude du phototropisme du plancton récolté dans la couche hyponeustonique. II. *Anomalocera patersoni* – Influence de l'intensité et de la longueur d'onde de la lumière sur les réactions d'orientation et sur l'activité locomotrice. [Contribution to the Study of Phototropism of Plankton Collected in the Hyponeustonic Level. II. *Anomalocera patersoni* – Influence of Light Intensity and Wavelength on Orientation and Velocity Reactions] **20**, 208 (1973)
Champalbert, G., Gaudy, R.: Contribution à l'étude du phototropisme du plancton récolté dans la couche hyponeustonique. I. *Anomalocera patersoni* – Résultats préliminaires. [Contribution to the Study of Phototropism of Plankton Collected in the Hyponeustonic Level. I. *Anomalocera patersoni* – Preliminary Results **9**, 71 (1971)
Champalbert, G., Gaudy, R.: Etude de la respiration chez des copépodes de niveaux bathymétriques variés dans la région sud marocaine et canarienne. [Study of the Respiration of Copepods from Various Bathymetric Levels in the South Moroccan and Canarian Area] **12**, 159 (1972)
Champalbert, G., Kerambrun, P.: Composition biochimique des copépodes de l'hyponeuston de Méditerranée Nord occidentale. Poids sec et analyse élémentaire du carbone, de l'hydrogène et de l'azote. [Biochemical Composition of Hyponeustonic Copepods in the Northwest Mediterranean. Dry Weight and Elementary Analysis of Carbon, Hydrogen and Nitrogen] **45**, 215 (1978)
Champalbert, G., Kerambrun, P.: Influence du mode de conservation sur la composition chimique élémentaire de *Pontella mediterranea* (Copepoda: Pontellidae). [Influence of Method of Preservation on the Elementary Chemical Composition of *Pontella mediterranea* (Copepoda: Pontellidae)] **51**, 357 (1979)
Chan, A.T., Andersen, R.J., Blanc, M.J. Le, Harrison, P.J.: Algal Plating as a Tool for Investigating Allelopathy Among Marine Microalgae **59**, 7 (1980)
Chandramohan, D., Devendran, K., Natarajan, R.: Arylsulfatase Activity in Marine Sediments **27**, 89 (1974)
Chandramohan, D., see Ayyakkannu, K. **11**, 201 (1971)
Chanut, J.P., see Cossa, D., et al. **58**, 7 (1980)
Chapman, A.R.O.: The Genetic Basis of Morphological Differentiation in Some *Laminaria* Populations **24**, 85 (1974)
Chapman, A.R.O., Craigie, J.S.: Seasonal Growth in *Laminaria longicruris*: Relations with Dissolved Inorganic Nutrients and Internal Reserves of Nitrogen **40**, 197 (1977)
Chapman, A.R.O., Craigie, J.S.: Seasonal Growth in *Laminaria longicruris:* Relations with Reserve Carbohydrate Storage and Production **46**, 209 (1978)
Chapman, A.R.O., Lindley, J.E.: Seasonal Growth of *Laminaria solidungula* in the Canadian High Arctic in Relation to Irradiance and Dissolved Nutrient Concentrations **57**, 1 (1980)
Chapman, A.R.O., Hoyt, B., Paton, B.E.: A Self-Contained Instrument for Logarithmic Recording of Submarine Quantum Irradiance **38**, 91 (1976)
Chapman, A.R.O., see Hatcher, B.G., et al. **44**, 85 (1977)
Chapman, C.J., Howard, F.G.: Field Observations on the Emergence Rhythm of the Norway Lobster *Nephrops norvegicus*, Using Different Methods **51**, 157 (1979)
Chapman, C.J., Rice, A.L.: Some Direct Observations on the Ecology and Behaviour of the Norway Lobster *Nephrops norvegicus* **10**, 321 (1971)
Chapman, C.J., Johnstone, A.D.F., Dunn, J.R., Creasey, D.J.: Reactions of Fish to Sound Generated by Divers' Open-Circuit Underwater Breathing Apparatus **27**, 357 (1974)
Chapman, C.J., see Rice, A.L. **10**, 330 (1971)
Chapman, G., Rae, A.C.: Excretion of photosynthate by a Benthic Diatom **3**, 341 (1969)
Chardy, P., see Bodiou, J.-Y. **20**, 27 (1973)
Chardy, P., see Blanc, F., et al. **35**, 49 (1976)
Charlou, J.L., see Alayse-Danet, A.M., et al. **51**, 41 (1979)
Charra, R., see Fenaux, L., et al. **30**, 239 (1975)
Chase, T., see Blumer, M., et al. **8**, 183 (1971)
Chavin, W., see Honn, K.V. **31**, 293 (1975)
Chavin, W., see Honn, K.V. **34**, 201 (1976)
Chavin, W., see Honn, K.V., et al. **34**, 211 (1976)
Chelazzi, G., see Vannini, M. **45**, 113 (1978)
Chen, Ching-hong, see Lewin, J., et al. **51**, 259 (1979)
Cheney, D.P., Babbel, G.R.: Biosystematic Studies of the Red Algal Genus *Eucheuma*. I. Electrophoretic Variation Among Florida Populations **47**, 251 (1978)
Cheney, D.P., Dyer, J.P. III: Deep-Water Benthic Algae of the Florida Middle Ground **27**, 185 (1974)
Cheng, L., Collins, J.D.: Observations on Behavior, Emergence and Reproduction of the Marine Midges *Pontomyia* (Diptera: Chironomidae) **58**, 1 (1980)
Cheng, L., Franco, P.J., Schulz-Baldes, M.: Heavy Metals in the Sea-Skater *Halobates robustus* from the Galápagos Islands: Concentrations in Nature and Uptake Experiments, with Special Reference to Cadmium **54**, 201 (1979)

Cheng, L., see Schulz-Baldes, M. **52**, 253 (1979)
Cheng, L., see Schulz-Baldes, M. **59**, 163 (1980)
Cherry, R.D., see Beasley, T.M., et al. **44**, 325 (1978)
Cherry, R.D., see Heyraud, M. **52**, 227 (1979)
Cherry, R.D., see Heyraud, M., et al. **34**, 127 (1976)
Chervin, M.B.: Assimilation of Particulate Organic Carbon by Estuarine and Coastal Copepods **49**, 265 (1978)
Cheung, P.J., Nigrelli, R.F.: Secretory Activity of the Cement Gland in Different Developmental Stages of the Barnacle *Balanus eburneus* **32**, 99 (1975)
Cheung, P.J., Ruggieri, G.D., Nigrelli, R.F.: A New Method for Obtaining Barnacle Cement in the Liquid State for Polymerization Studies **43**, 157 (1977)
Chew, K.K., see Buroker, N.E., et al. **54**, 157 (1979)
Chew, K.K., see Buroker, N.E., et al. **54**, 171 (1979)
Cheyne, A.R., see George, S.G., et al. **45**, 147 (1978)
Chia, F.S., Crawford, B.J.: Some Observations on Gametogenesis, Larval Development and Substratum Selection of the Sea Pen *Ptilosarcus guerneyi* **23**, 73 (1973)
Chia, F.S., Koss, R.: Development and Metamorphosis of the Planktotrophic Larvae of *Rostanga pulchra* (Mollusca: Nudibranchia) **46**, 109 (1978)
Chia, F.S., see Bickell, L.R. **52**, 291 (1979)
Chien, P.K., see Rice, M.A. **53**, 33 (1979)
Childress, J.J.: Effects of Pressure, Temperature and Oxygen on the Oxygen-Consumption Rate of the Midwater Copepod *Gaussia princeps* **39**, 19 (1977)
Childress, J.J., Nygaard, M.: Chemical Composition and Buoyancy of Midwater Crustaceans as Function of Depth of Occurrence off Southern California **27**, 225 (1974)
Childress, J.J., Price, M.H.: Growth Rate of the Bathypelagic Crustacean *Gnathophausia ingens* (Mysidacea: Lophogastridae). I. Dimensional Growth and Population Structure **50**, 47 (1978)
Childress, J.J., Somero, G.N.: Depth-Related Enzymic Activities in Muscle, Brain and Heart of Deep-Living Pelagic Marine Teleosts **52**, 273 (1979)
Childress, J.J., see Quetin, L.B. **38**, 327 (1976)
Choat, J.H., see Leum, L.L. **57**, 327 (1980)
Chockalingam, S.: Studies on Enzymes Associated with Calcification of the Cuticle of the Hermit Crab *Clibanarius olivaceous* **10**, 169 (1971)
Chockalingam, S.: Nature and Compositon of the Cephalic and Thoracic Cuticles of the Hermit Crab *Clibanarius olivaceous* **26**, 329 (1974)
Choe, S.: Body Increases During Molt and Molting Cycle of the Oriental Brown Shrimp *Penaeus japonicus* **9**, 31 (1971)
Chojnacki, J., see Radziejewska, T., et al. **23**, 11 (1973)
Chotiyaputta, C., Hirayama, K.: Food Selectivity of the Rotifer *Brachionus plicatilis* Feeding on Phytoplankton **45**, 105 (1978)
Chow, P.H., see Gordon, M.S., et al. **35**, 287 (1976)
Christensen, D., Blackburn, T.H.: Turnover of Tracer (^{14}C, ^{3}H Labelled) Alanine in Inshore Marine Sediments **58**, 97 (1980)
Christensen, J.P., Devol, A.H.: Adenosine Triphosphate and Adenylate Energy Charge in Marine Sediments **56**, 175 (1980)
Christensen, J.P., Owens, T.G., Devol, A.H., Packard, T.T.: Respiration and Physiological State in Marine Bacteria **55**, 267 (1980)
Christiansen, M.E., Costlow, J.D., Jr.: The Effect of Salinity and Cyclic Temperature on Larval Development of the Mud-Crab *Rhithropanopeus harrisii* (Brachyura: Xanthidae) Reared in the Laboratory **32**, 215 (1975)
Christiansen, M.E., Costlow, J.D., Jr., Monroe, R.J.: Effects of the Juvenile Hormone Mimic ZR-515 (Altosid®) on Larval Development of the Mud-Crab *Rhithropanopeus harrisii* in Various Salinities and Cyclic Temperatures **39**, 269 (1977)
Christiansen, M.E., Costlow, J.D., Jr., Monroe, R.J.: Effects of the Juvenile Hormone Mimic ZR-512 (Altozar®) on Larval Development of the Mud-Crab *Rhithropanopeus harrisii* at Various Cyclic Temperatures **39**, 281 (1977)
Christiansen, M.E., Costlow, J.D., Jr., Monroe, R.J.: Effects of the Insect Growth Regulator Dimilin® (TH 6040) on Larval Development of Two Estuarine Crabs **50**, 29 (1978)
Christie, N.D.: Relationship Between Sediment Texture, Species Richness and Volume of Sediment Sampled by a Grab **30**, 89 (1975)
Chua, T.-E., Teng, S.-K.: Relative Growth and Production of the Estuary Grouper *Epinephelus salmoides* Under Different Stocking Densities in Floating Net-Cages **54**, 363 (1979)
Churchill, A.C., see Faraday, W.E. **53**, 293 (1979)
Churchill, A.C., see Brinkhuis, B.H., et al. **58**, 187 (1980)
Ciechomski, J.D. de, Capezzani, D.A.: Fecundity of the Argentinean Mackerel *Scomber japonicus marplatensis* **2**, 277 (1969)
Clark, W.H., Jr., Talbot, P., Neal, R.A., Mock, C.R., Salser, B.R.: *In vitro* Fertilization with Non-Motile Spermatozoa of the Brown Shrimp *Penaeus aztecus* **22**, 353 (1973)
Clarke, A.: Assimilation Efficiency of the Antarctic Marine Isopod *Glyptonotus antarcticus* **52**, 157 (1979)
Clarke, A.: On Living in Cold Water: *K*-Strategies in Antarctic Benthos **55**, 111 (1979)
Clarke, M.R., MacLeod, N.: Cephalopod Remains from Sperm Whales Caught off Western Canada **59**, 241 (1980)
Clarke, M.R., MacLeod, N., Castello, H.P., Pinedo, M.C.: Cephalopod Remains from the Stomach of a Sperm Whale Stranded at Rio Grande do Sul in Brazil **59**, 235 (1980)
Clarke, R.D.: Habitat Distribution and Species Diversity of Chaetodontid and Pomacentrid Fishes near Bimini, Bahamas **40**, 277 (1977)
Claus, C., see Hrs-Brenko, M. **44**, 109 (1977)
Clausen, C.D., Roth, A.A.: Estimation of Coral Growth-Rates from Laboratory ^{45}Ca-Incorporation Rates **33**, 85 (1975)
Clausen, C.D., Roth, A.A.: Effect of Temperature and Temperature Adaptation on Calcification Rate in the Hermatypic Coral *Pocillopora damicornis* **33**, 93 (1975)
Clayton, M.N.: The Morphology, Anatomy and Life History of a Complanate Form of *Scytosiphon lomentaria* (Scytosiphonales, Phaeophyta) from Southern Australia **38**, 201 (1976)
Clayton, M.N.: Morphological Variation and Life History in Cylindrical Forms of *Scytosiphon lomentaria* (Scytosiphonaceae: Phaeophyta) from Southern Australia **47**, 349 (1978)
Clayton-Hochachka, B., see Hochachka, P.W.: **18**, 251 (1973)
Clement, L.E., Stekoll, M.S., Shaw, D.G.: Accumulation, Fractionation and Release of Oil by the Intertidal Clam *Macoma balthica* **57**, 41 (1980)
Clement, L.E., see Stekoll, M.S., et al. **57**, 51 (1980)
Cloutier-Mantha, L., Harrison, P.J.: Effects of Sublethal Concentrations of Mercuric Chloride on Ammonium-Limited *Skeletonema costatum* **56**, 219 (1980)
Colbeck, J., see Holdsworth, E.S. **38**, 189 (1976)
Cole, G.T.: Conidium Ontogeny in Marine Hyphomycetous Fungi: *Asteromyces cruciatus* and *Zalerion maritimum* **38**, 147 (1976)
Colebrook, J.M.: Continuous Plankton Records: Seasonal Cycles of Phytoplankton and Copepods in the North Atlantic Ocean and the North Sea **51**, 23 (1979)
Colebrook, J.M., Reid, P.C., Coombs, S.H.: Continuous Plankton Records: A Change in the Plankton of the Southern North Sea Between 1970 and 1972 **45**, 209 (1978)
Coles, S.L., Jokiel, P.L.: Effects of Temperature on Photosynthesis and Respiration in Hermatypic Corals **43**, 209 (1977)
Coles, S.L., Jokiel, P.L.: Synergistic Effects of Temperature, Salinity and Light on the Hermatypic Coral *Montipora verrucosa* **49**, 187 (1978)
Coles, S.L., see Jokiel, P.L. **43**, 201 (1977)
Colijn, F., Buurt, G. van: Influence of Light and Temperature on the Photosynthetic Rate of Marine Benthic Diatoms **31**, 209 (1975)
Colin, P.L.: Observation and Collection of Deep-Reef Fishes off the Coasts of Jamaica and Bristish Honduras (Belize) **24**, 29 (1974)
Collier, R.S., see Calabrese, A., et al. **18**, 162 (1973)
Collier, R.S., see Thurberg, F.P., et al. **23**, 171 (1973)
Collins, J.D., see Cheng, L. **58**, 1 (1980)
Collos, Y., Lewin, J.: Blooms of Surf-Zone Diatoms Along the Coast of the Olympic

Peninsula, Washington. IV. Nitrate Reductase Activity in Natural Populations and Laboratory Cultures of *Chaetoceros armatum* and *Asterionella socialis* **25**, 213 (1974)
Collos, Y., Slawyk, G.: Significance of Cellular Nitrate Content in Natural Populations of Marine Phytoplankton Growing in Shipboard Cultures **34**, 27 (1976)
Collos, Y., see Slawyk, G. **34**, 23 (1976)
Colombera, D.: Number and Morphology of Chromosomes in Three Geographical Populations of *Ascidiella aspersa* (Ascidiacea) **11**, 149 (1971)
Colombera, D.: Chromosome Number Within the Class Ascidiacea **26**, 63 (1974)
Colthart, B.J., Johansen, H.W.: Growth Rates of *Corallina officinalis* (Rhodophyta) at Different Temperatures **18**, 46 (1973)
Colton, J.B., Jr., see Bowen, R.A. **14**, 242 (1972)
Colton, J.B., Jr., see Price, C.A., et al. **42**, 225 (1977)
Colwell, R.R., see Walker, J.D. **30**, 193 (1975)
Colwell, R.R., see Walker, J.D., et al. **34**, 1 (1976)
Comelli, E., see Bressan, G. **40**, 299 (1977)
Comparini, A., Rizzotti, M., Rodino, E.: Genetic Control and Variability of Phosphoglucose Isomerase (PGI) in Eels from the Atlantic Ocean and the Mediterranean Sea **43**, 109 (1977)
Comte, P., see Tiffon, Y., et al. **3**, 126 (1969)
Connor, P.M., see Portmann, J.E. **1**, 322 (1968)
Conover, R.J., Francis, V.: The Use of Radioactivity Isotopes to Measure the Transfer of Materials in Aquatic Food Chains **18**, 272 (1973)
Conover, R.J., see Lalli, C.M. **19**, 13 (1973)
Conover, R.J., see Platt, T. **10**, 52 (1971)
Conover, S.A.M.: Partitioning of Nitrogen and Carbon in Cultures of the Marine Diatom *Thalassiosira fluviatilis* Supplied with Nitrate, Ammonium, or Urea **32**, 231 (1975)
Conover, S.A.M.: Nitrogen Utilization During Spring Blooms of Marine Phytoplankton in Bedford Basin, Nova Scotia, Canada **32**, 247 (1975)
Conway, D.V.P., see Williams, R. **60**, 57 (1980)
Conway, H.L.: Interactions of Inorganic Nitrogen in the Uptake and Assimilation by Marine Phytoplankton **39**, 221 (1977)
Conway, H.L., Harrison, P.J.: Marine Diatoms Grown in Chemostats Under Silicate or Ammonium Limitation. IV. Transient Response of *Chaetoceros debilis, Skeletonema costatum,* and *Thalassiosira gravida* to a Single Addition of the Limiting Nutrient **43**, 33 (1977)
Conway, H.L., Harrison, P.J., Davis, C.O.: Marine Diatoms Grown in Chemostats Under Silicate or Ammonium Limitation. II. Transient Response of *Skeletonema costatum* to a Single Addition of the Limiting Nutrient **35**, 187 (1976)
Conway, H.L., see Harrison, P.J., et al. **35**, 177 (1976)
Conway, H.L., see Harrison, P.J., et al. **43**, 19 (1977)
Cook, P.A., Gabbott, P.A.: Seasonal Changes in the Free Glycerol Level in the Body Parts of the Adult Barnacle *Balanus balanoides* **7**, 11 (1970)
Cook, P.A., Lewis, A.H.: Acquisition and Loss of Cold-Tolerance in Adult Barnacles *(Balanus balanoides)* Kept Under Laboratory Conditions **9**, 26 (1971)
Cooke, W.J., see Rastetter, E.B. **53**, 271 (1979)
Cooksey, B., see Cooksey, K.E. **15**, 289 (1972)
Cooksey, K.E., Cooksey, B.: Turnover of Photosynthetically Fixed Carbon in Reef Corals **15**, 289 (1972)
Coombs, S.H., see Colebrook, J.M., et al. **45**, 209 (1978)
Coombs, T.L.: The Distribution of Zinc in the Oyster *Ostrea edulis* and Its Relation to Enzymic Activity and to Other Metals **12**, 170 (1972)
Coombs, T.L.: The Nature of Zinc an Copper Complexes in the Oyster *Ostrea edulis* **28**, 1 (1974)
Coombs, T.L., see George, S.G. **39**, 261 (1977)
Coombs, T.L., see Cowey, C.B., et al. **38**, 111 (1976)
Coombs, T.L., see George, S.G., et al. **45**, 147 (1978)
Cooper, R.A., see Sears, J.R. **44**, 309 (1978)
Corkett, C.J., see Sekiguchi, H., et al. **58**, 133 (1980)
Corner, E.D.S., see Harris, R.P., et al. **42**, 187 (1977)
Cornet, D., see Jangoux, M., et al. **15**, 329 (1972)
Coro, A., see Wittenberger, C., et al. **3**, 24 (1969)
Correll, D.L., see Faust, M.A. **34**, 151 (1976)
Correll, D.L., see Faust, M.A. **41**, 293 (1977)
Correll, D.L., see Friebele, E.S., et al. **45**, 39 (1978)
Cossa, D.: Sorption du cadmium par une population de la diatomée *Phaeodactylum tricornutum* en culture. [Sorption of Cadmium by a Population of the Diatom *Phaeodactylum tricornutum* in Culture] **34**, 163 (1976)
Cossa, D., Bourget, E., Pouliot, D., Piuze, J., Chanut, J.P.: Geographical and Seasonal Variations in the Relationship Between Trace Metal Content and Body Weight in *Mytilus edulis* **58**, 7 (1980)
Costanzo, G., Guglielmo, L.: Diagnostic Value of the Thelycum in Euphausiids. II. Oceanic Species, Genus *Nematoscelis* **56**, 311 (1980)
Coste, B., Gostan, J., Minas, H.J.: Influence des conditions hivernales sur les productions phyto-et zooplanktoniques en Méditerranée nord-occidentale. I. Structures hydrologiques et distribution des sels nutritifs [Influence of Winter Conditions on Phyto- and Zooplankton Production in the Northwestern Part of the Mediterranean. I. Hydrological Structures and Nutrient Distribution] **16**, 320 (1972)
Coste, B., see Blanc, F. et al. **1**, 43 (1967)
Coste, B., see Berland, B.R., et al. **23**, 267 (1973)
Costlow, J.D., see Diaz, H. **15**, 120 (1972)
Costlow, J.D., see Forward, R.B. **26**, 27 (1974)
Costlow, J.D., Jr., see Christiansen, M.E. **32**, 215 (1975)
Costlow, J.D., Jr., see Lucas, J.S. **51**, 111 (1979)
Costlow, J.D., Jr., see Rosenberg, R. **38**, 291 (1976)
Costlow, J.D., Jr., see Christiansen, M.E., et al. **39**, 269 (1977)
Costlow, J.D., Jr., see Christiansen, M.E., et al. **39**, 281 (1977)
Costlow, J.D., Jr., see Christiansen, M.E., et al. **50**, 29 (1978)
Coughlan, J.: The Estimation of Filtering Rate from the Clearance of Suspensions **2**, 356 (1969)
Coull, B.C.: Species Diversity and Faunal Affinities of Meiobenthic Copepoda in the Deep Sea **14**, 48 (1972)
Coull, B.C., Vernberg, W.B.: Harpacticoid Copepod Respiration: *Enhydrosoma propinquum* and *Longipedia helgolandica* **5**, 341 (1970)
Coull, B.C., Vernberg, W.B.: Reproductive Periodicity of Meiobenthic Copepods: Seasonal or Continuous? **32**, 289 (1975)
Coull, B.C., Ellison, R.L., Fleeger, J.W., Higgins, R.P., Hope, W.D., Hummon, W.D., Rieger, R.M., Sterrer, W.E., Thiel, H., Tietjen, J.H.: Quantitative Estimates the Meiofauna from the Deep Sea off North Carolina, USA **39**, 233 (1977)
Coull, B.C., see Sikora, J.P., et al. **44**, 7 (1977)
Courtenay, W.R., Jr., McKittrick, F.A.: Sound-Producing Mechanisms in Carapid Fishes, with Notes on Phylogenetic Implications **7**, 131 (1970)
Cowen, J.P., Hodge, V.F., Folsom, T.R.: *In vivo* Accumulation of Radioactive Polonium by the Giant Kelp *Macrocystis pyrifera* **37**, 239 (1976)
Cowey, C.B., Forster, J.R.M.: The Essential Amino-Acid Requirements of the Prawn *Palaemon serratus*. The Growth of Prawns on Diets Containing Proteins of Different Amino-Acid Compositions **10**, 77 (1971)
Cowey, C.B., Pope, J.A., Adron, J.W., Blair, A.: Studies on the Nutrition of Marine Flatfish. Growth of the Plaice *Pleuronecles platessa* on Diets Containing Proteins Derived from Plants and Other Sources **10**, 145 (1971)
Cowey, C.B., Pope, J.A., Adron, J.W., Blair, A.: Studies on the Nutrition of Marine Flatfish. The Effect of Oral Administration of Diethylstilboestrol and Cyproheptadine on the Growth of *Pleuronectes platessa* **19**, 1 (1973)
Cowey, C.B., Brown, D.A., Adron, J.W., Shanks, A.M.: Studies on the Nutrition of Marine Flatfish. The Effect of Dietary Protein Content on Certain Cell Components and Enzymes in the Liver of *Pleuronectes platessa* **28**, 207 (1974)
Cowey, C.B., Coombs, T.L., Adron, J.W.: The Renal and Serum Concentrations of Calcium, Magnesium, and Phosphorus in Captive and Wild Turbot *(Scophthalmus maximus)* **38**, 111 (1976)

Cowey, C.B., see Owen, J.M., et al. **13**, 160 (1972)
Cowey, C.B., see Knox, D., et al. **56**, 7 (1980)
Cox, B.A., see Anderson, J.W., et al. **27**, 75 (1974)
Cox, B.A., see Neff, J.M., et al. **38**, 279 (1976)
Cox, T., see Crossland, C.J., et al. **59**, 181 (1980)
Crăciun, C.: Effect of High Temperatures on the Ultrastructure of Leydig Cells in *Mytilus galloprovincialis* **60**, 73 (1980)
Craddock, J.E., see Backus, R.H., et al. **3**, 87 (1969)
Craig, P.C.: Behaviour and Distribution of the Sand-Beach Amphipod *Orchestoidea corniculata* **23**, 101 (1973)
Craigie, J.S., see Chapman, A.R.O. **40**, 197 (1977)
Craigie, J.S., see Chapman, A.R.O. **46**, 209 (1978)
Craik, G.J.S.: Simple Method for Measuring the Relative Scouring of Intertidal Areas **59**, 257 (1980)
Cranfield, H.J.: A Study of the Morphology, Ultrastructure, and Histochemistry of the Foot of the Pediveliger of *Ostrea edulis* **22**, 187 (1973)
Cranfield, H.J.: Observations on the Behaviour of the Pediveliger of *Ostrea edulis* During Attachment and Cementing **22**, 203 (1973)
Cranfield, H.J.: Observations on the Function of the Glands of the Foot of the Pediveliger of *Ostrea edulis* During Settlement **22**, 211 (1973)
Crawford, B.J., see Chia, F.S. **23**, 73 (1973)
Crawford, R.E.: Different Oxygen Consumption Rates by the Longhorn Sculpin *Myoxocephalus octodecimspinosus* in an Apparatus Designed for Shipboard Use **44**, 377 (1978)
Creasey, D.J., see Chapman, C.J., et al. **27**, 357 (1974)
Crenshaw, M.A., see Young, S.D., et al. **41**, 253 (1977)
Crenshaw, M.A., see Young, S.D., et al. **41**, 259 (1977)
Crisp, D.J., Patel, B.: Environmental Control of the Breeding of Three Boreo-Arctic Cirripedes **2**, 283 (1969)
Crisp, D.J., Richardson, C.A.: Tidally-Produced Internal Bands in the Shell of *Elminius modestus* **33**, 155 (1975)
Crisp, D.J., Ritz, D.A.: Responses of Cirripede Larvae to Light. I. Experiments with White Light **23**, 327 (1973)
Crisp, D.J., Williams, R.: Direct Measurement of Pore-Size Distribution on Artificial and Natural Deposits and Prediction of Pore Space Accessible to Interstitial Organisms **10**, 214 (1971)
Crisp, D.J., Beaumont, A.R., Flowerdew, M.W., Vardy, A.: The Hardy Weinberg Test – A Correction **46**, 181 (1978)
Crisp, D.J., see Flowerdew, M.W. **33**, 33 (1975)
Crisp, D.J., see Flowerdew, M.W. **35**, 319 (1976)
Crisp, D.J., see Walker, G., et al. **30**, 57 (1975)
Crisp, D.J., see Grenon, J.-F., et al. **53**, 381 (1979)
Crisp, D.J., see Lucas, M.I., et al. **55**, 221 (1979)
Crisp, Mary: Fine Structure of Some Prosobranch Osphradia **22**, 231 (1973)
Croce, N. Della, Venugopal, P.: Distribution of Marine Cladocerans in the Indian Ocean **15**, 132 (1972)
Crossland, C.J., Barnes, D.J.: The Role of Metabolic Nitrogen in Coral Calcification **28**, 325 (1974)
Crossland, C.J., Barnes, D.J.: Gas-Exchange Studies with the Staghorn Coral *Acropora acuminata* and Its Zooxanthellae **40**, 185 (1977)
Crossland, C.J., Barnes, D.J.: Calcification in the Staghorn Coral *Acropora acuminata:* Variations in Apparent Skeletal Incorporation of Radioisotopes Due to Different Methods of Processing **43**, 57 (1977)
Crossland, C.J., Barnes, D.J., Cox, T., Devereux, M.: Compartmentation and Turnover of Organic Carbon in the Staghorn Coral *Acropora formosa* **59**, 181 (1980)
Crossland, C.J., Barnes, D.J., Borowitzka, M.A.: Diurnal Lipid and Mucus Production in the Staghorn Coral *Acropora acuminata* **60**, 81 (1980)
Crossland, C.J., see Barnes, D.J. **42**, 119 (1977)
Cucci, T.L., Epifanio, C.E.: Long-Term Effects of Water-Soluble Fractions of Kuwait Crude Oil on the Larval and Juvenile Development of the Mud Crab *Eurypanopeus depressus* **55**, 215 (1979)
Cullen, J.J., Renger, E.H.: Continuous Measurement of the DCMU-Induced Fluorescence Response of Natural Phytoplankton Populations **53**, 13 (1979)
Culliney, J.L.: Comparative Larval Development of the Shipworms *Bankia gouldi* and *Teredo navalis* **29**, 245 (1975)
Cundell, A.M., see Sleeter, T.D., et al. **45**, 329 (1978)
Cunningham, P.A., Tripp, M.R.: Accumulation and Depuration of Mercury in the American Oyster *Crassostrea virginica* **20**, 14 (1973)
Cunningham, P.A., Tripp, M.R.: Factors Affecting the Accumulation and Removal of Mercury from Tissues of the American Oyster *Crassostrea virginica* **31**, 311 (1975)
Cunningham, P.A., Tripp, M.R.: Accumulation, Tissue Distribution and Elimination of $^{203}HgCl_2$ and $CH_3\,^{203}HgCl$ in the Tissues of the American Oyster *Crassostrea virginica* **31**, 321 (1975)
Curl, H.C., Jr., see Iverson, R.L., et al. **28**, 169 (1974)
Curl, H.C., Jr., see DeManche, J.M., et al. **53**, 323 (1979)
Curtis, L.A.: Daily Cycling of the Crystalline Style in the Omnivorous, Deposit-Feeding Estuarine Snail *Ilyanassa obsoleta* **59**, 137 (1980)
Cutshall, N.H., Naidu, J.R., Pearcy, W.G.: Zinc-65 Specific Activities in the Migratory Pacific Hake *Merluccius productus* **40**, 75 (1977)
Cutshall, N.H., Naidu, J.R., Pearcy, W.G.: Zinc and Cadmium in the Pacific Hake *Merluccius productus* off the Western U.S. Coast **44**, 195 (1977)
Czeczuga, B.: Some Carotenoids in the Jelly-Fish *Aurelia aurita* (Scyphozoa: Discomedusae) **5**, 141 (1970)
Czeczuga, B.: Presence of β-Carotene and a Number of Xanthophylls in *Hyale perieri* (Crustacea: Amphipoda) from the Black Sea **6**, 117 (1970)
Czeczuga, B.: Investigations of Carotenoids in Some Fauna of the Adriatic Sea. I. *Verongia Aerophoba* (Porifera: Spongiidae) **10**, 254 (1971)
Czeczuga, B.: Investigations of Carotenoids in Some Fauna of the Adriatic Sea. II. *Anemonia sulcata* and *Actinia equina* (Coelenterata: Anthozoa) **13**, 124 (1972)
Czeczuga, B.: Comparative Studies of Carotenoids in the Fauna of the Gullmar Fjord (Bohuslän, Sweden). I. *Alcyonium digitatum* and *Pennatula phosphorea* (Anthozoa) **19**, 206 (1973)
Czeczuga, B.: Investigations of Carotenoids in Some Fauna of the Adriatic Sea. III. *Leander (Palaemon) serratus* and *Nephrops norvegicus* (Crustacea: Decapoda) **21**, 139 (1973)
Czeczuga, B.: Comparative Studies of Carotenoids in the Fauna of the Gullmar Fjord (Bohuslän, Sweden). II. Crustacea: *Eupagurus bernhardus, Hyas coarctatus* and *Upogebia deltaura* **28**, 95 (1974)
Czeczuga, B., Czerpak, R.: Carotenoids in the Hermit Crab *Clibanarius misanthrophus* (Crustacea, Paguridae) from the Black Sea **4**, 24 (1969)
Czeczuga, B., see Czerpak, R. **3**, 122 (1969)
Czerpak, R., Czeczuga, B.: Studies of the Pigments in the Shrimp *Crangon crangon* (Crustacea: Malacostraca) **3**, 122 (1969)
Czerpak, R., see Czeczuga, B. **4**, 24 (1969)

D

D'Abramo, L., see Wiebe, P.H. **15**, 139 (1972)
Dagg, M.J., Littlepage, J.L.: Relationships Between Growth Rate and RNA, DNA, Protein and Dry Weight in *Artemia salina* and *Euchaeta elongata* **17**, 162 (1972)
Dahl, A.L.: Surface Area in Ecological Analysis: Quantification of Benthic Coral-Reef Algae **23**, 239 (1973)
Dale, T.: Total, Chemical and Biological Oxygen Consumption of the Sediments in Lindåspollene, Western Norwey **49**, 333 (1978)
Dalley, R.: Effects of Non-Circadian Light/Dark Cycles on the Growth and Moulting of *Palaemon elegans* Reared in the Laboratory **56**, 71 (1980)
Dallot, S., see Ibanez, F. **3**, 11 (1969)
Dallot, S., see Mayzaud, P. **19**, 307 (1973)
Daly, J.M.: The Maturation and Breeding Biology of *Harmothoë imbricata* (Polychaeta: Polynoidae) **12**, 53 (1972)

Daly, J.M.: Gametogenesis in *Harmothoe imbricata* (Polychaeta: Polynoidae) **25**, 35 (1974)

Daly, M.A., Mathieson, A.C.: The Effects of Sand Movement on Intertidal Seaweeds and Selected Invertebrates at Bound Rock, New Hamsphire, USA **43**, 45 (1977)

Dambach, M., Hentschel, G.: Die Bedekkungsreaktion von Seeigeln. Neue Versuche und Deutungen. [The Covering Reaction in Sea Urchins. New Experiments and Interpretations] **6**, 135 (1970)

Dame, R.F.: The Ecological Energies of Growth, Respiration and Assimilation in the Intertidal American Oyster *Crassostrea virginica* **17**, 243 (1972)

Damjanović, Z., see Radil-Weiss, T., et al. **6**, 241 (1970)

Dana, T.F.: Development of Contemporary Eastern Pacific Coral Reefs **33**, 355 (1975)

D'Apolito, L.M., Stancyk, S.E.: Population Dynamics of *Euterpina acutifrons* (Copepoda: Harpacticoida) from North Inlet, South Carolina, with Reference to Dimorphic Males **54**, 251 (1979)

Dauer, D.M., Simon, J.L.: Lateral or Along-Shore Distribution of the Polychaetous Annelids of an Intertidal, Sandy Habitat **31**, 363 (1975)

Dauer, D.M., Simon, J.L.: Habitat Expansion Among Polychaetous Annelids Repopulating a Defaunated Marine Habitat **37**, 169 (1976)

Daumas, R., Fiala, M.: Evaluation de la matière organique vivante dans les eaux marines par la mesure de l'adénosine triphosphate. [Evaluation of the Living Organic Material in Marine Waters by Measuring Adenosine Triphosphate] **3**, 243 (1969)

Daumas, R.A.: Influence de la température et du développement planctonique sur le mécanisme d'accumulation de la matière organique a la surface de la mer. [Influence of Temperature and Planktonic Development on the Mechanism of Accumulation of Organic Matter in the Surface of the Sea] **26**, 111 (1974)

Daumas, R.A., see Berland, B.R., et al. **7**, 82 (1970)

Davey, J.T., Gee, J.M., Moore, S.L.: Population Dynamics of *Mytilicola intestinalis* in *Mytilus edulis* in South West England **45**, 319 (1978)

Davenport, J.: Effects of Size upon Salinity Tolerance and Volume Regulation in the Hermit Crab *Pagurus bernhardus* **17**, 222 (1972)

Davenport, J.: Study of the Importance of the Soft Abdomen of the Hermit Crab *Pagurus bernhardus* in Minimising the Mechanical Effects of Osmotic Uptake of Water **17**, 304 (1972)

Davenport, J.: Buoyancy in *Porcellana platycheles* **17**, 308 (1972)

Davenport, J., Wańkowski, J.: Pre-Immersion Salinity-Choice Behaviour in *Porcellana platycheles* **22**, 313 (1973)

Davenport, J., see Djangmah, J.S., et al. **50**, 209 (1979)

Davenport, J., see Djangmah, J.S., et al. **56**, 213 (1980)

Davey, E.W., see Eisler, R., et al. **45**, 311 (1978)

Davies, I.E., Barham, E.G.: The Tucker Opening-Closing Micronekton Net and Its Performance in a Study of the Deep Scattering Layer **2**, 127 (1969)

Davies, I.M., Pirie, J.M.: Evaluation of a "Mussel Watch" Project for Heavy Metals in Scottish Coastal Waters **57**, 87 (1980)

Davies, J.M.: Energy Flow Through the Benthos in a Scottish Sea Loch **31**, 353 (1975)

Davies, J.M., see Harrison, W.G. **43**, 299 (1977)

Davis, B.J.: Distribution and Temperature Adaptation in the Teleost Fish Genus *Gibbonsia* **42**, 315 (1977)

Davis, C.O., see Conway, H.L., et al. **35**, 187 (1976)

Davis, C.O., see Harrison, P.J., et al. **43**, 19 (1977)

Davis, N.D., see Vandermeulen, J.H., et al. **16**, 185 (1972)

Davis, P.H., Spies, R.B.: Infaunal Benthos of a Natural Petroleum Seep: Study of Community Structure **59**, 31 (1980)

Davis, P.H., see Spies, R.B. **50**, 227 (1979)

Dawes, C.J., see Durako, M.J. **59**, 151 (1980)

Dawes, C.J., see Durako, M.J. **59**, 157 (1980)

Dawirs, R.R.: Elemental Composition (C,N,H) in Larval and Crab-1 Stages of *Pagurus bernhardus* (Decapoda, Paguridae) and *Carcinus maenas* (Decapoda, Portunidae) **57**, 17 (1980)

Dawson, C.E., see Jones, M.L. **21**, 86 (1973)

Dawson, C.E., see McCosker, J.E. **30**, 343 (1975)

Dawson, M.A., see Thurberg, F.P., et al. **23**, 171 (1973)

Dawson, R., see Meyer-Reil, L.-A., et al. **48**, 161 (1978)

Day, R.W.: Two Contrasting Effects of Predation on Species Richness in Coral Reef Habitats **44**, 1 (1977)

Dayton, P.K., Rosenthal, R.J., Mahen, L.C., Antezana, T.: Population Structure and Foraging Biology of the Predaceous Chilean Asteroid *Meyenaster gelatinosus* and the Escape Biology of Its Prey **39**, 361 (1977)

Dean, D.: Migration of the Sandworm *Nereis virens* During Winter Nights **45**, 165 (1978)

Dean, D.: The Swimming of Bloodworms (*Glycera* spp.) at Night, with Comments on Other Species **48**, 99 (1978)

Dean, J.M., see Cain, R.L. **36**, 369 (1976)

Dean, J.M., see Radtke, R.L. **55**, 231 (1979)

Dean, J.M., see Fowler, S.W., et al. **8**, 224 (1971)

Dean, J.M., see Holland, A.F., et al. **27**, 191 (1974)

Dean, J.M., see Middaugh, D.P., et al. **46**, 1 (1978)

Deason, E.E.: Potential Effect of Phytoplankton Colony Breakage on the Calculation of Zooplankton Filtration Rates **57**, 279 (1980)

Deason, E.E.: Grazing of *Acartia hudsonica (A. clausi)* on *Skeletonema costatum* in Narragansett Bay (USA): Influence of Food Concentration and Temperature **60**, 101 (1980)

Decleir, W., Lemaire, J., Richard, A.: Determination of Copper in Embryos and Very Young Specimens of *Sepia officinalis* **5**, 256 (1970)

DeCoursey, P.J., see Vernberg, W.B., et al. **22**, 307 (1973)

DeCoursey, P.J., see Mirkes, D.Z., et al. **47**, 143 (1978)

Deelder, C.L., Tesch, F.-W.: Heimfindevermögen von Aalen *(Anguilla anguilla)*, die über große Entfernungen verpflanzt worden waren. [Homing Abilities of Eels *(Anguilla anguilla)*, Which Had Been Transplanted over Long Distances] **6**, 81 (1970)

Degens, E.T., Deuser, W.G., Haedrich, R.L.: Molecular Structure and Composition of Fish Otoliths **2**, 105 (1969)

Degens, E.T., see Hecky, R.E., et al. **19**, 323 (1973)

Dehadrai, P.V., Bhargava, R.M.S.: Distribution of Chlorophyll, Carotenoids and Phytoplankton in Relation to Certain Environmental Factors Along the Central West Coast of India **17**, 30 (1972)

D'Elia, C.F., Guillard, R.R.L., Nelson, D.M.: Growth and Competition of the Marine Diatoms *Phaeodactylum tricornutum* and *Thalassiosira pseudonana*. I. Nutrient Effects **50**, 305 (1979)

D'Elia, C.F., see Nelson, D.M., et al. **50**, 313 (1979)

Delong, R.L., see Martin, J.H., et al. **35**, 91 (1976)

DeManche, J.M., Curl, H.C., Jr., Lundy, D.W., Donaghay, P.L.: The Rapid Response of the Marine Diatom *Skeletonema costatum* to Changes in External and Internal Nutrient Concentration **53**, 323 (1979)

Denoux, G.J., see Stickle, W.B. **37**, 125 (1976)

Denton, G.R.W., Marsh, H., Heinsohn, G.E., Burdon-Jones, C.: The Unusual Metal Status of the Dugong *Dugong dugon* **57**, 201 (1980)

Derenbach, J.B., Williams, P.J. Le B.: Autotrophic and Bacterial Production: Fractionation of Plankton Populations by Differential Filtration of Samples from the English Channel **25**, 263 (1974)

DeRiemer, K., see Sebens, K.P. **43**, 247 (1977)

Desai, B.N., see Krishnan Kutty, M. **1**, 168 (1968)

Detwyler, R., Houde, E.D.: Food Selection by Laboratory-Reared Larvae of the Scaled Sardine *Harengula pensacolae* (Pisces, Clupeidae) and the Bay Anchovy *Anchoa mitchilli* (Pisces, Engraulidae) **7**, 214 (1970)

Deuser, W.G., see Degens, E.T., et al. **2**, 105 (1969)

Devassy, V.P., see Qasim, S.Z., et al. **12**, 200 (1972)

Devassy, V.P., see Qasim, S.Z., et al. **16**, 22 (1972)

Devassy, V.P., see Qasim, S.Z., et al. **21**, 299 (1973)

Devendran, K., see Chandramohan, D., et al. **27**, 89 (1974)

Devereux, M., see Crossland, C.J., et al. **59**, 181 (1980)

Devinny, J.S., Volse, L.A.: Effects of Sediments on the Development of *Macrocystis pyrifera* Gametophytes **48**, 343 (1978)

Devol, A.H., see Christensen, J.P. **56**, 175 (1980)

Devol, A.H., see Christensen, J.P., et al. **55**, 267 (1980)

DeVries, A.L., see Dobbs, G.H., III **29**, 59 (1975)

Dexter, D.M.: Life History of the Sandy-Beach Amphipod *Neohaustorius schmitzi* (Crustacea: Haustoriidae) **8**, 232 (1971)

Dexter, D.M., see Ebert, T.A. **32**, 397 (1975)

Diaz, H., Costlow, J.D.: Larval Development of *Ocypode quadrata* (Brachyura: Crustacea) Under Laboratory Conditions **15**, 120 (1972)

Dicker, H.J., Smith, D.W.: Acetylene Reduction (Nitrogen Fixation) in a Delaware, USA Salt Marsh **57**, 241 (1980)

Dickinson, J.J.: Faunal Comparison of the Gammarid Amphipoda (Crustacea) in Two Bathyal Basins of the California Continental Borderland **48**, 367 (1978)

Dickson, M.R., see Popham, J.D. **19**, 338 (1973)

Diekmann, P., see Zeitzschel, B., et al. **45**, 285 (1978)

Dietzel, K.: Berechnung der Bedingungen für die Erstellung eines geschlossenen Meerwassersystems im stabilen Gleichgewichtszustand. [Calculation of the Prerequisites for the Design of a Closed Sea-Water System in Stable Equilibrium] **34**, 379 (1976)

Dilger, J.P., see Litchfield, C., et al. **52**, 285 (1979)

Dillon, T.M.: Effects of Acute Changes in Temperature and Salinity on Pulsation Rates in Ephyrae of the Scyphozoan *Aurelia aurita* **42**, 31 (1977)

Dilly, P.N.: The Larva of *Rhabdopleura compacta* (Hemichordata) **18**, 69 (1973)

Dimock, R.V., Jr., Groves, K.H.: Interaction of Temperature and Salinity on Oxygen Consumption of the Estuarine Crab *Panopeus herbstii* **33**, 301 (1975)

Dinet, A.: Distribution quantitative du méiobenthos profond dans la région de la dorsale de Walvis (Sud-Ouest Africain). [Quantitative Distribution of Deep-Sea Meiobenthos in the Walvis Ridge Area (South-West Africa)] **20**, 20 (1973)

Ditadi, A.S.F., see Petersen, J.A. **9**, 78 (1971)

Ditlev, H.: Zonation of Corals (Scleractinia: Coelenterata) on Intertidal Reef Flats at Ko Phuket, Eastern Indian Ocean **47**, 29 (1978)

Dixit, D., see Neff, J.M., et al. **38**, 279 (1976)

Djangmah, J.S., Shumway, S.E., Davenport, J.: Effects of Fluctuating Salinity on the Behaviour of the West African Blood Clam *Anadara senilis* and on the Osmotic Pressure and Ionic Concentrations of the Haemolymph **50**, 209 (1979)

Djangmah, J.S., Davenport, J., Shumway, S.E.: Oxygen Consumption of the West African Blood Clam *Anadara senilis* **56**, 213 (1980)

Do Chi, T., see Arnaud, P.M. **39**, 147 (1977)

Do Chi, T., see Badia, J. **36**, 159 (1976)

Dobbs, G.H., III, DeVries, A.L.: Renal Function in Antarctic Teleost Fishes: Serum and Urine Composition **29**, 59 (1975)

Dobbs, G.H., see Lee, R.F., et al. **17**, 201 (1972)

Dobrosmyslova, I.G., see Saenko, G.N., et al. **34**, 169 (1976)

Dodge, J.D.: The Early Summer Bloom of Dinoflagellates in the North Sea, with Special Reference to 1971 **40**, 327 (1977)

Dodson, A.N., see Thomas, W.H. **24**, 213 (1974)

Dodson, A.N., see Thomas, W.H. **27**, 11 (1974)

Doheny, T.E., see Mandelli, E.F., et al. **7**, 153 (1970)

Doherty, P.J.: A Demographic Study of a Subtidal Population of the New Zealand Articulate Brachiopod *Terebratella inconspicua* **52**, 331 (1979)

Doig, M.T., III, Martin, D.F.: The Response of *Gymnodinium breve* to Municipal Waste Materials **24**, 223 (1974)

Dolah, R.F. Van, Shapiro, L.E., Rees, C.P.: Analysis of an Intertidal Population of the Amphipod *Gammarus palustris* Using a Modified Version of the Egg-Ratio Method **33**, 323 (1975). Corrigendum Notice **36**, 198 (1976)

Domey, R.G., see Middaugh, D.P., et al. **46**, 1 (1978)

Donaghay, P.L., Small, L.F.: Long-Term Food Modification by *Acartia clausi:* A Preliminary View **52**, 129 (1979)

Donaghay, P.L., Small, L.F.: Food Selection Capabilities of the Estuarine Copepod *Acartia clausi* **52**, 137 (1979)

Donaghay, P.L., see DeManche, J.M., et al. **53**, 323 (1979)

Donahue, W.H., see Nicol, J.A.C., et al. **40**, 309 (1977)

Donaldson, H.A.: Vertical Distribution and Feeding of Sergestid Shrimps (Decapoda: Natantia) Collected near Bermuda **31**, 37 (1975)

Donaldson, H.A.: Chemical Composition of Sergestid Shrimps (Decapoda: Natantia) Collected near Bermuda **38**, 51 (1976)

Donovan, D., see Gilfillan, E.S., et al. **37**, 115 (1976)

Dor, I., see Por, F.D. **29**, 37 (1975)

Dortch, Q., see Packard, T.T. **33**, 347 (1975)

Doty, M.S., see Alcala, A.C., et al. **14**, 298 (1972)

Dowidar, N.M.: Morphological Variations in *Ceratium egyptiacum* in Different Natural Habitats **16**, 138 (1972)

Doyle, R.W.: Choosing Between Darkness and Light: The Ecological Genetics of Photic Behaviour in the Planktonic Larva of *Spirorbis borealis* **25**, 311 (1974)

Doyle, R.W., see Newkirk, G.F. **30**, 227 (1975)

Doyle, R.W., see Newkirk, G.F., et al. **41**, 49 (1977)

Drebes, G.: *Bacteriastrum solitarium* Mangin, a Stage in the Life History of the Centric Diatom, *Bacteriastrum hyalinum* **1**, 40 (1967)

Dreher, D., see Hottinger, L. **25**, 41 (1974)

Dreibelbis, D., see Thompson, I., et al. **57**, 25 (1980)

Drescher, H.E., Harms, U., Huschenbeth, E.: Organochlorines and Heavy Metals in the Harbour Seal *Phoca vitulina* from the German North Sea Coast **41**, 99 (1977)

Dries, M., Adelung, D.: Neue Ergebnisse über die Aufzucht von *Carcinus maenas* im Laboratorium. [New Results on the Rearing of *Carcinus maenas* in the Laboratory] **38**, 17 (1976)

Dries, R.-R., Theede, H.: Sauerstoffmangelresistenz mariner Bodenvertebraten aus der Westlichen Ostsee. [Resistance to Oxygen Deficiency in Marine Bottom Invertebrates of the Western Baltic Sea] **25**, 327 (1974)

Dring, M.J., see Lüning, K. **29**, 195 (1975)

Driver, P.A.: The Prediction of Shrimp Landings from Sunspot Activity **47**, 359 (1978)

D'Silva, C., Qasim, S.Z.: Bioaccumulation and Elimination of Copper in the Rock Oyster *Crassostrea cucullata* **52**, 343 (1979)

Dugdale, R.C., see Harrison, P.J., et al. **35**, 177 (1976)

Duggins, D.O., see Paine, R.T., et al. **51**, 185 (1979)

Duncan, M.J., see Seely, G.R., et al. **12**, 184 (1972)

Dundas, I., see Indrebø, G., et al. **51**, 295 (1979)

Dundas, I., see Indrebø, G., et al. **51**, 305 (1979)

Dunn, D.F.: Dynamics of External Brooding in the Sea Anemone *Epiactis prolifera* **39**, 41 (1977). Corrigendum Notice **40**, 195 (1977)

Dunn, D.F.: Locomotion by *Epiactis prolifera* (Coelenterata: Actiniaria) **39**, 67 (1977)

Dunn, J.R., see Chapman, C.J., et al. **27**, 357 (1974)

Dunne, R.P., see Brown, B.E. **56**, 85 (1980)

Dunstan, W.M., Atkinson, L.P., Natoli, J.: Stimulation and Inhibition of Phytoplankton Growth by Low Molecular Weight Hydrocarbons **31**, 305 (1975)

Dunstan, W.M., see Tenore, K.R. **21**, 190 (1973)

Dupuy, J.L., see Manzi, J.J., et al. **41**, 29 (1977)

Durako, M.J., Dawes, C.J.: A Comparative Seasonal Study of Two Populations of *Hypnea musciformis* from the East and West Coasts of Florida, USA. I. Growth and Chemistry **59**, 151 (1980)

Durako, M.J., Dawes, C.J.: A Comparative Seasonal Study of Two Populations of *Hypnea musciformis* from the East and West Coasts of Florida, USA. II. Photosynthetic and Respiratory Rates **59**, 157 (1980)

Durbin, A.G., Durbin, E.G.: Grazing Rates of the Atlantic Menhaden *Brevoortia tyrannus* as a Function of Particle Size and Concentration **33**, 265 (1975)

Durbin, E.G.: Aspects of the Biology of Resting Spores of *Thalassiosira nordenskioeldii* and *Detonula confervacea* **45**, 31 (1978)

Durbin, E.G., Krawiec, R.W., Smayda, T.J.: Seasonal Studies on the Relative Importance of Different Size Fractions of Phytoplankton in Narragansett Bay (USA) **32**, 271 (1975)

Durbin, E.G., see Durbin, A.G. **33**, 265 (1975)
Dushkina, L.A.: Influence of Salinity on Eggs, Sperm and Larvae of Low-Vertebral Herring Reproducing in the Coastal Waters of the Soviet Union **19**, 210 (1973)
Dustan, P.: Growth and Form in the Reef-Building Coral *Montastrea annularis* **33**, 101 (1975)
Dustan, P., see Richardson, C.A., et al. **55**, 181 (1979)
Dyer, J.P., III, see Cheney, D.P. **27**, 185 (1974)

E

Eberlein, K., see Siebers, D., et al. **17**, 291 (1972)
Eberlein, K., see Brockmann, U.H., et al. **24**, 163 (1974)
Eberlein, K., see Brockmann, U.H., et al. **43**, 1 (1977)
Ebert, T.A., Dexter, D.M.: A Natural History Study of *Encope grandis* and *Mellita grantii*, Two Sand Dollars in the Northern Gulf of California, Mexico **32**, 397 (1975)
Eckelbarger, K.J.: Population Biology and Larval Development of the Terebellid Polychaete *Nicolea zostericola* **27**, 101 (1974)
Eckelbarger, K.J.: Developmental Studies of the Post-Settling Stages of *Sabellaria vulgaris* (Polychaeta: Sabellariidae) **30**, 137 (1975)
Eckelbarger, K.J.: A Light and Electron Microscope Investigation of Gametogenesis in *Nicolea zostericola* (Polychaeta: Terebellidae) **30**, 353 (1975)
Eckelbarger, K.J.: Origin and Development of the Amoebocytes of *Nicolea zostericola* (Polychaeta: Terebellidae) with a Discussion of Their Possible Role in Oogenesis **36**, 169 (1976)
Eckman, J.E., see Lewin, J., et al. **52**, 1 (1979)
Eddy, S., see Pritchard, A.W. **50**, 249 (1979)
Edel, R.K.: Activity Rhythms of Maturing American Eels *(Anguilla rostrata)* **36**, 283 (1976)
Edel, R.K., Winn, H.E.: Observations on Underwater Locomotion and Flipper Movement of the Humpback Whale *Megaptera novaeangliae* **48**, 279 (1978)
Edelstein, T., McLachlan, J.: Autecology of *Fucus distichus* ssp. *distichus* (Phaeophyceae: Fucales) in Nova Scotia, Canada **30**, 305 (1975)
Edler, L., see Gargas, E., et al. **52**, 113 (1979)
Edwards, A.S., Herring, P.J.: Observations on the Comparative Morphology and Operation of the Photogenic Tissues ofMyctophid Fishes **41**, 59 (1977)
Edwards, P., see Yarish, C., et al. **51**, 289 (1979)
Edwards, R.R.C.: Effects of Water-Soluble Oil Fractions on Metabolism, Growth and Carbon Budget of the Shrimp *Crangon crangon* **46**, 259 (1978)
Ehlers, U., see Siebers, D. **50**, 175 (1979)
Ehrlich, K.F.: Chemical Changes During Growth and Starvation of Larval *Pleuronectes platessa* **24**, 39 (1974)
Ehrlich, K.F., Farris, D.A.: Some Influences of Temperature on the Rearing of the Grunion *Leuresthes tenuis*, an Atherine Fish **12**, 267 (1972)
Ehrlich, K.F., Blaxter, J.H.S., Pemberton, R.: Morphological and Histological Changes During the Growth and Starvation of Herring and Plaice Larvae **35**, 105 (1976)
Ehrlich, P.R., see Ogden, J.C. **42**, 273 (1977)
Eiben, R.: Einfluß von Benetzungsspannung und Ionen auf die Substratbesiedlung und das Einsetzen der Metamorphose bei Bryozoenlarven *(Bowerbankia gracilis)*. [Influence of Wetting Tension and Ions upon Settlement and Beginning of Metamorphosis in Bryozoan Larvae *(Bowerbankia gracilis)*] **37**, 249 (1976)
Eisler, R.: Toxicity Evaluation of a Complex Metal Mixture to the Softshell Clam *Mya arenaria* **43**, 265 (1977)
Eisler, R., Barry, M.M., Lapan, R.L., Jr., Telek, G., Davey, E.W., Soper, A.E.: Metal Survey of the Marine Clam *Pitar morrhuana* Collected near a Rhode Island (USA) Electroplating Plant **45**, 311 (1978)
El-Seraffy, S.S., see Ezzat, A.E. **41**, 287 (1977)
Elbrächter, M.: Population Dynamic Studies on Phytoplankton Cultures **35**, 201 (1976)
Elder, D.L., see Fowler, S.W., et al. **48**, 303 (1978)
Elgershuizen, J.H.B.W., see Bak, R.P.M. **37**, 105 (1976)
Elias, J., see Grenon, J.-F., et al. **53**, 381 (1979)
Ellington, W.R.: L-Lactate Dehydrogenase in the Longitudinal Muscle of the Sea Cucumber *Sclerodactyla briareus* (Echinodermata: Holothuroidea) **36**, 31 (1976)
Elliott, P.D., see Martin, J.H., et al. **35**, 91 (1976)
Ellis, D.V., see Popham, J.D. **8**, 260 (1971)
Ellis, R.J., see Calvin, N.I. **47**, 331 (1978)
Ellison, J.P., Terry, C., Stephens, J.S., Jr.: Food Resource Utilization Among Five Species of Embiotocids at King Harbor, California, with Preliminary Estimates of Caloric Intake **52**, 161 (1979)
Ellison, R.L., see Coull, B.C., et al. **39**, 233 (1977)
Emanuelsson, E., see Swedmark, M., et al. **9**, 183 (1971)
Emerson, S.E., Zedler, J.B.: Recolonization of Intertidal Algae: An Experimental Study **44**, 315 (1978)
Emig, C.C.: Remarks on the Systematics of *Phoronidea*. IV. Notes on Ecology, Morphology and Taxonomy of *Phoronis mülleri* **5**, 62 (1970)
Emig, C.C.: Remarques sur la systématique des Phoronidea. X. Notes sur l'écologie, la morphologie et la taxonomie de *Phoronis ijimai* et de *P. vancouverensis*. [Remarks on the Systematics of Phoronidea. X. Notes on the Ecology, Morphology and Taxonomy of *Phoronis ijimai* and *P. vancouverensis*] **8**, 154 (1971)
Emig, C.C.: Reproduction asexuée chez *Phoronis psammophila*. [Asexual Reproduction in *Phoronis psammophila*] **13**, 247 (1972)
Emig, C.C.: Un nouvel aspirateur sous-marin, à air comprimé. [A New Submarine Suction-Sampler, Using Compressed Air] **43**, 379 (1977)
Emig, C.C., Becherini, F.: Influence des courants sur l'éthologie alimentaire des phoronidiens. Etude par séries de photographies cycliques. [Influence of Water Currents on the Nutritional Behaviour of Phoronideans. Study by Series of Continuous Photographs] **5**, 239 (1970)
Emig, C.C., Thouveny, Y.: Absorption directe d'un acide aminé par *Phoronis psammophila*. [Direct Uptake of an Amino-Acid by *Phoronis psammophila*] **37**, 69 (1976)
Emig, C.C., Herberts, C., Thomassin, B.A.: Sur l'association de *Phoronis australis* (Phoronida) avec *Cerianthus maua* (Ceriantharia) dans les zones récifales de Madagascar. [On the Association of *Phoronis australis* (Phoronida) with *Cerianthus maua* (Ceriantharia) in the Coral Reefs of Madagascar] **15**, 304 (1972)
Emigh, R.L., see Lickey, M.E., et al. **7**, 149 (1970)
Emmerson, W.D.: Ingestion, Growth and Development of *Penaeus indicus* Larvae as a Function of *Thalassiosira weissflogii* Cell Concentration **58**, 65 (1980)
Emschermann, P.: *Loxomespilon perezi* – ein Entoproctenfund im Mittelatlantik. Überlegungen zur Benthosbesiedlung der Großen Meteorbank. [*Loxomespilon perezi* – an Entoproct Find in the Mid Atlantic. Considerations on the Settlement of the Benthos Fauna of the Great Meteor Seamount] **9**, 51 (1971)
Emschermann, P.: *Loxokalypus socialis* gen. et sp. nov. (Kamptozoa, Loxokalypodidae fam. nov.), ein neuer Kamptozoentyp aus dem nördlichen Pazifischen Ozean. Ein Vorschlag zur Neufassung der Kamptozoensystematik. [*Loxokalypus socialis* gen. et sp. nov. (Kamptozoa, Loxokalypodidae fam. nov.), a New Kamptozoa Type from the Northern Pacific Ocean. A Proposal for a New Conception of the Taxonomy of Kamptozoa] **12**, 237 (1972)
Endraß, U.: Physiologische Anpassuangen eines marinen Insekts. I. Die zeitliche Steuerung der Entwicklung. [Physiological Adaptations of a Marine Insect. I. The Temporal Programming of Development] **34**, 361 (1976)
Endraß, U.: Physiologische Anpassungen eines marinen Insekts. II. Die Eigenschaften von schwimmenden und absinkenden Eigelegen. [Physiological Adaptations of a Marine Insect. II. Characteristics of Swimming and Sinking Egg-Masses] **36**, 47 (1976)
Eng-Wilmot, D.L., Hitchcock, W.S., Martin, D.F.: Effect of Temperature on the Proliferation of *Gymnodinium breve* and *Gomphosphaeria aponina* **41**, 71 (1977)

Engel, D.W.: Comparison of the Osmoregulatory Capabilities of Two Portunid Crabs, *Callinectes sapidus* and *C. similis* **41**, 275 (1977)
Engel, D.W., Sunda, W.G.: Toxicity of Cupric Ion to Eggs of the Spot *Leiostomus xanthurus* and the Atlantic Silverside *Menidia menidia* **50**, 121 (1979)
Engel, M.S., see Bak, R.P.M. **54**, 341 (1979)
Epifanio, C.E.: Effects of Dieldrin in Seawater on the Development of Two Species of Crab Larvae *Leptodius floridanus* and *Panopeus herbstii* **11**, 356 (1971)
Epifanio, C.E.: Effects of Dieldrin-Contaminated Food on the Development of *Leptodius floridanus* Larvae **13**, 292 (1972)
Epifanio, C.E.: Dieldrin-Uptake by Larvae of the Crab *Leptodius floridanus* **19**, 320 (1973)
Epifanio, C.E., Srna, R.F.: Toxicity of Ammonia, Nitrite Ion, Nitrate Ion, and Orthophosphate to *Mercenaria mercenaria* and *Crassostrea virginica* **33**, 241 (1975)
Epifanio, C.E., see Cucci, T.L. **55**, 215 (1979)
Epifanio, C.E., see Flaak, A.R. **45**, 157 (1978)
Epifanio, C.E., see Logan, D.T. **47**, 381 (1978)
Epifanio, C.E., see Wheeler, D.E. **46**, 167 (1978)
Eppel, D., see Muchmore, D. **19**, 93 (1973)
Eppley, R.W., Packard, T.T., MacIsaac, J.J.: Nitrate Reductase in Peru Current Phytoplankton **6**, 195 (1970)
Eppley, R.W., Sharp, J.H., Renger, E.H., Perry, M.J., Harrison, W.G.: Nitrogen Assimilation by Phytoplankton and Other Microorganisms in the Surface Waters of the Central North Pacific Ocean **39**, 111 (1977)
Eppley, R.W., see Harrison, W.G., et al. **40**, 9 (1977)
Erdem, C., Meadows, P.S.: The Influence of Mercury on the Burrowing Behaviour of *Corophium volutator* **56**, 233 (1980)
Eriksson, S.: The Occurrence of Marine Cladocera on the West Coast of Sweden **26**, 319 (1974)
Erkenbrecher, C.W., Stevenson, L.H.: Factors Related to the Distribution of Microbial Biomass in Salt-Marsh-Creeks **40**, 121 (1977)
Erkenbrecher, C.W., see Sikora, J.P., et al. **44**, 7 (1977)
Ernst, W., Goerke, H.: Anreicherung, Verteilung, Umwandlung und Ausscheidung von DDT-^{14}C bei *Solea solea* (Pisces: Soleidae). [Accumulation, Distribution, Transformation and Elimination of DDT-^{14}C in *Solea solea* (Pisces: Soleidae)] **24**, 287 (1974)
Estevez, M., see Norse, E.A. **40**, 365 (1977)
Estrada, M.: Phytoplankton Biomass and Production in the Upwelling Region of NW Africa. Relationships with Hydrographic Parameters **60**, 63 (1980)
Evans, M.S., see Lewis, A.G., et al. **11**, 1 (1971)
Evans, R.A., see Lie, U. **21**, 122 (1973)
Everich, D., González, J.G.: Critical Thermal Maxima of Two Species of Estuarine Fish **41**, 141 (1977)
Eyster, L.S.: Reproduction and Developmental Variability in the Opisthobranch *Tenellia pallida* **51**, 133 (1979)
Ezzat, A.E., El-Seraffy, S.S.: Food of Anguilla anguilla in Lake Manzalah, Egypt **41**, 287 (1977)

F

Fänge, R., Larsson, Å., Lidman, U.: Fluids and Jellies of the Acusticolateralis System in Relation to Body Fluids in *Coryphaenoides rupestris* and Other Fishes **17**, 180 (1972)
Fänge, R., Lundblad, G., Lind, J.: Lysozyme and Chitinase in Blood and Lymphomyeloid Tissues of Marine Fish **36**, 277 (1976)
Fänge, R., Lundblad, G., Lind, J., Slettengren, K.: Chitinolytic Enzymes in the Digestive System of Marine Fishes **53**, 317 (1979)
Fänge, R., see Lundblad, G., et al. **53**, 311 (1979)
Fagetti, E.: Larval Development of the Spider Crab *Pisoides edwardsi* (Decapoda, Brachyura) Under Laboratory Conditions **4**, 160 (1969)
Fagetti, E.: Bathymetric Distribution of Chaetognaths in the South Eastern Pacific Ocean **17**, 7 (1972)
Fagetti, E., Campodonico, I.: Larval Development of the Red Crab *Pleuroncodes monodon* (Decapoda Anomura: Galatheidae) Under Laboratory Conditions **8**, 70 (1971)
Fagetti, E., Campodonico, I.: Larval Development of *Pilumnoides perlatus* (Brachyura: Xanthidae) Under Laboratory Conditions **18**, 129 (1973)
Falconetti, C., Fredj-Reygrobellet, D., Fredj, G.: Sexualité et fissiparité concomitantes chez l'astérie *Sclerasterias richardi:* premières données. [Concomitant Sexuality and Fissiparity in the Asteroid *Sclerasterias richardi:* Preliminary Data] **34**, 247 (1976)
Falconetti, C., Fredj-Reygrobellet, D., Fredj, G.: Induction de l'émission des gamètes et premiers stades du développement larvaire chez l'astérie fissipare *Sclerasterias richardi.* [Induction of Gamete Shedding and the First Stages of Larval Development in the Fissiparous Asteroid *Sclerasterias richardi*] **39**, 171 (1977)
Falkowski, P.G., Owens, T.G.: Effects of Light Intensity on Photosynthesis and Dark Respiration in Six Species of Marine Phytoplankton **45**, 289 (1978)
Falkowski, P.G., Stone, D.P.: Nitrate Uptake in Marine Phytoplankton: Energy Sources and the Interaction with Carbon Fixation **32**, 77 (1975)
Falkowski, P.G., see Owens, T.G. et al. **59**, 71 (1980)
Faraday, W.E., Churchill, A.C.: Uptake of Cadmium by the Eelgrass *Zostera marina* **53**, 293 (1979)
Farmer, A.S.: A Bilateral Gynandromorph of *Nephrops norvegicus* (Decapoda: Nephropidae) **15**, 344 (1972)
Farmer, A.S.: Age and Growth in *Nephrops norvegicus* (Decapoda: Nephropidae) **23**, 315 (1973)
Farmer, L., Reeve, M.R.: Role of the Free Amino Acid Pool of the Copepod *Acartia tonsa* in Adjustment to Salinity Change **48**, 311 (1978)
Farnham, W.F., see Withers, R. G., et al. **31**, 79 (1975)
Farris, D.A., see Ehrlich, K. F. **12**, 267 (1972)
Faulkner, D.J., see Andersen, R.J., et al. **27**, 281 (1974)
Faust, M.A., Correll, D.L.: Comparison of Bacterial and Algal Utilization of Orthophosphate in an Estuarine Environment **34**, 151 (1976)
Faust, M.A., Correll, D.L.: Autoradiographic Study to Detect Metabolically Active Phytoplankton and Bacteria in the Rhode River Estuary **41**, 293 (1977)
Faust, M.A., see Friebele, E.S., et al. **45**, 39 (1978)
Fava, G., Volkmann, B.: *Tispe* (Copepoda: Harpacticoida) Species from the Lagoon of Venice. I. Seasonal Fluctuations and Ecology **30**, 151 (1975)
Fava, G., see Volkmann-Rocco, B. **3**, 159 (1969)
Feaver, M.J., see Board, P.A. **20**, 265 (1973)
Fechter, H.: Die stickstoffhaltigen Stoffwechselendprodukte und ihre Exkretion bei *Paracentrotus lividus.* [Nitrogenous Metabolic Products and Their Excretion in *Paracentrotus lividus*] **19**, 285 (1973)
Fechter, H.: Zur Funktion des Afterschornsteinschleuderns bei Diademseeigeln. [On the Function of Anal-Cone Rotation in Diadematid Sea Urchins] **22**, 347 (1973)
Feder, H.M., see Lasker, R., et al. **5**, 345 (1970)
Fedra, K., Machan, R.: A Self-Contained Underwater Time-Lapse Camera for *in situ* Long-Term Observations **55**, 239 (1979)
Fedra, K., Ölscher, E.M., Scherübel, C., Stachowitsch, M., Wurzian, R.S.: On the Ecology of a North Adriatic Benthic Community: Distribution, Standing Crop and Composition of the Macrobenthos **38**, 129 (1976)
Fedra, K., see Machan, R. **33**, 75 (1975)
Feigenbaum, D.: Daily Ration and Specific Daily Ration of the Chaetognath *Sagitta enflata* **54**, 75 (1979)
Fell, J.W., see Hopper, B.E., et al. **23**, 293 (1973)
Feller, R.J., Taghon, G.L., Gallagher, E.D., Kenny, G.E., Jumars, P.A.: Immunological Methods for Food Web Analysis in a Soft-Bottom Benthic Community **54**, 61 (1979)
Fenaux, L., Malara, G., Charra, R.: Effets d'un jeune de courte durée sur les principaux constituants biochimiques de l'oursin *Arbacia lixula.* I. Stade de repos sexuel. [Effects of Starvation on the Principal Biochemical Constituents of the Sea Urchin *Arbacia lixula.* I. Resting Stage] **30**, 239 (1975)

Fenaux, R.: Les Appendiculaires du Golfe du Bengale. Expédition Internationale de l'Océan Indien (croisières du "Kistna", juin-août 1964). [The Appendicularians of the Bay of Bengal. International Indian Ocean Expedition (Voyages of "Kistna", June-August 1964)] **2**, 252 (1969)

Fenaux, R.: A Historical Survey of the Appendicularians from the Area Covered by the IIOE **16**, 230 (1972)

Fenaux, R.: Variations saisonnières des appendiculaires de la région Nord Adriatique. [Seasonal Variation of the Appendicularians from the North Adriatic Area **16**, 310 (1972)

Fenaux, R.: Cycle vital, croissance et production chez *Fritillaria pellucida* (Appendicularia), dans la baie de Villefranche-sur-Mer, France. [Life Cycle, Growth and Production in *Fritillaria pellucida* (Appendicularia), in the Bay of Villefranche-sur-Mer, France] **34**, 229 (1976)

Fenaux, R., Palazzoli, I.: Estimation *in situ* d'une population d'*Oikopleura longicauda* (Appendicularia) à l'aide de deux filets de maille différente. [*In situ* Estimation of a Population of *Oikopleura longicauda* (Appendicularia) by Means of Two Nets of Different Mesh Size] **55**, 197 (1979)

Fenchel, T., Kofoed, L.H., Lappalainen, A.: Particle Size-Selection of Two Deposit Feeders: The Amphipod *Corophium volutator* and the Prosobranch *Hydrobia ulvae* **30**, 119 (1975)

Fenchel, T.M., Riedl, R.J.: The Sulfide System: A New Biotic Community Underneath the Oxidized Layer of Marine Sand Bottoms **7**, 255 (1970)

Fenchel, T., see Jørgensen, B.B. **24**, 189 (1974)

Ferlin, V., see Burla, H., et al. **14**, 235 (1972)

Fernández, F.: Nutrition Studies in the Nauplius Larva of *Calanus pacificus* (Copepoda: Calanoida) **53**, 131 (1979)

Fernandez, H.R.: Spectral Sensitivity and Visual Pigment of the Compound Eye of the Galatheid Crab *Pleuroncodes planipes* **20**, 148 (1973)

Fernandez, H.R., Tsuji, F.I.: Photopigment and Spectral Sensitivity in the Bioluminescent Fish *Porichthys notatus* **34**, 101 (1976)

Fernandez, H.R., see O'Day, W.T. **37**, 187 (1976)

Fernholm, B.: Diurnal Variations in the Behaviour of the Hagfish *Eptatretus burgeri* **27**, 351 (1974)

Fernlund, P.: Chromactivating Hormones of *Pandalus borealis*. Bioassay of the Red-Pigment-Concentrating Hormone **2**, 13 (1968)

Fernlund, P., Josefsson, L.: Chromactivating Hormones of *Pandalus borealis*. On the Bioassay of the Distal Retinal Pigment Hormone **2**, 19 (1968)

Ferrari, I., see Zurlini, G., et al. **46**, 59 (1978)

Ferrero, E., see Galleni, L., et al. **55**, 317 (1980)

Fèvre, J. Le: Clogging and Filtration Coefficient in a High-speed Plankton Sampler **21**, 29 (1973)

Fiala, M., see Daumas, R. **3**, 243 (1969)

Fiala, M., see Cahet, G., et al. **14**, 32 (1972)

Fiala-Médioni, A.: Ethologie alimentaire d'invertébrés benthiques filtreurs (ascidies). I. Dispositif expérimental. Taux de filtration de digestion chez *Phallusia mammillata*. [Filter-Feeding Ethology of Benthic Invertebrates (Ascidians). I. Experimental Apparatus. Rates of Filtration and Digestion of *Phallusia mammillata* **23**, 137 (1973)

Fiala-Médioni, A.: Ethologie alimentaire d'invertébrés benthiques filtreurs (ascidies). II. Variations des taux de filtration et de digestion en fonction de l'espèce. [Filter-Feeding Ethology of Benthic Invertebrates (Ascidians). II. Variations in Filtration and Digestion Rates as a Function of Species] **28**, 199 (1974)

Fiala-Médioni, A.: Filter-Feeding Ethology of Benthic Invertebrates (Ascidians). III. Recording of Water Current *in situ* – Rate and Rhythm of Pumping **45**, 185 (1978)

Fiala-Médioni, A.: Filter-Feeding Ethology of Benthic Invertebrates (Ascidians). IV. Pumping Rate, Filtration Rate, Filtration Efficiency **48**, 243 (1978)

Fiala-Médioni, A.: Filter-Feeding Ethology of Benthic Invertebrates (Ascidians). V. Influence of Temperature on Pumping, Filtration and Digestion Rates and Rhythms in *Phallusia mammillata* **48**, 251 (1978)

Fiedler, D.R., Ranga Rao, K., Fingerman, M.: Control of Distal Retinal Pigment Migration in the Fiddler Crab *Uca pugilator* **9**, 219 (1971)

Fielding, A.H., see Hall, A., et al. **54**, 195 (1979)

Fieth, P., see Widdows, J., et al. **50**, 195 (1979)

Fieth, P., see Livingstone, D.R., et al. **53**, 41 (1979)

Fieth, P.E.M., see Moore, M.N., et al. **48**, 297 (1978)

Filimonova, G.F., Tokin, I.B.: Structural and Functional Peculiarities of the Digestive System of *Cucumaria frondosa* (Echinodermata: Holothuroidea) **60**, 9 (1980)

Filimonova, G.F., see Tokin, I.B. **44**, 143 (1977)

Findley, A.M., Stickle, W.B.: Effects of Salinity Fluctuation on the Hemolymph Composition of the Blue Crab *Callinectes sapidus* **46**, 9 (1978)

Findley, A.M., Belisle, B.W., Stickle, W.B.: Effects of Salinity Fluctuations on the Respiration Rate of the Southern Oyster Drill *Thais haemastoma* and the Blue Crab *Callinectes sapidus* **49**, 59 (1978)

Fine, M.L.: Faunal Variation on Pelagic *Sargassum* **7**, 112 (1970)

Finenko, Z.Z.: Effect of Inorganic Phosphorus of the Growth Rate of Diatoms **26**, 193 (1974)

Fingerman, M., see Fingerman, S.W. **37**, 357 (1976)

Fingerman, M., see Fingerman, S.W. **50**, 37 (1978)

Fingerman, M., see Fiedler, D.R., et al. **9**, 219 (1971)

Fingerman, S.W., Fingerman, M.: Effects of Time of Year and Limb Removal on Rates of Ecdysis of Eyed and Eyestalkless Fiddler Crabs, *Uca pugilator* **37**, 357 (1976)

Fingerman, S.W., Fingerman, M.: Influence of the Polychlorinated Biphenyl Preparation Aroclor 1242® on Color Changes of the Fiddler Crab *Uca pugilator* **50**, 37 (1978)

Fiore, F., see Youngblood, W.W., et al. **8**, 190 (1971)

Fish, J.D., Preece, G.S.: The Ecophysiological Complex of *Bathyporeia pilosa* and *B. pelagica* (Crustacea: Amphipoda). I. Respiration Rates **5**, 22 (1970)

Fish, J.D., see Mills, A. **58**, 153 (1980)

Fishelson, L.: Littoral Fauna of the Red Sea: The Population of Non-Scleractinian Anthozoans of Shallow Waters of the Red Sea (Eilat) **6**, 106 (1970)

Fishelson, L.: Ecology and Distribution of the Benthic Fauna in the Shallow Waters of the Red Sea **10**, 113 (1971)

Fishelson, L.: Histology and Ultrastructure of the Skin of *Lepadichthys lineatus* (Gobiesocidae: Teleostei) **17**, 357 (1972)

Fishelson, L.: Ecological and Biological Phenomena Influencing Coral-Species Composition on the Reef Tables at Eilat (Gulf of Aqaba, Red Sea) **19**, 183 (1973)

Fishelson, L.: Ecology of the Northern Red Sea Crinoids and Their Epi- and Endozoic Fauna **26**, 183 (1974)

Fishelson, L.: Oogenesis and Spawn-Formation in the Pigmy Lion Fish *Dendrochirus brachypterus* (Pteroidae) **46**, 341 (1978)

Fishelson, L., see Moran, Sh. **9**, 63 (1971)

Fishelson, L., see Rutman, J. **3**, 46 (1969)

Fishelson, L., see Kidron, J., et al. **14**, 260 (1972)

Fishelson, L., see Nèeman, I., et al. **30**, 293 (1975)

Fisher, N.S., Frood, D.: Heavy Metals and Marine Diatoms: Influence of Dissolved Organic Compounds on Toxicity and Selection for Metal Tolerance Among Four Species **59**, 85 (1980)

Fisher, T.R.: Metabolic Maintenance Costs of the Suspension Feeder *Styela plicata* **41**, 361 (1977)

Fitzpatrick, G., Sutherland, D.J.: Effects of the Organophosphorous Insecticides Temephos (Abate®) and Chlorpyrifos (Dursban®) on Populations of the Salt-Marsh Snail *Melampus bidentatus* **46**, 23 (1978)

Flaak, A.R., Epifanio, C.E.: Dietary Protein Levels and Growth of the Oyster *Crassostrea virginica* **45**, 157 (1978)

Flechsig, A.O., see Gerrodette, T. **55**, 103 (1979)

Fleeger, J.W.: Population Dynamics of Three Estuarine Meiobenthic Harpacticoids (Copepoda) in South Carolina **52**, 147 (1979)

Fleeger, J.W., see Coull, B.C., et al. **39**, 233 (1977)

Flegal, A.R., see Martin, J.H. **30**, 51 (1975)

Flemer, D.A., see Biggs, R.B. **12**, 11 (1972)

Flemer, D.A., see Heinle, D.R. **31**, 235 (1975)

Flemer, D.A., see Heinle, D.R. **35**, 359 (1976)

Flemer, D.A., see Heinle, D.R., et al. **40**, 341 (1977)

Fleminger, A., Hulsemann, K.: Geographical Range and Taxonomic Divergence in North Atlantic *Calanus (C. helgolandicus, C. finmarchicus* and *C. glacialis)* **40**, 233 (1977)

Fleminger, A., see Uye, S. **38**, 253 (1976)
Fletcher, R.L.: The Life History of *Rhodophysema georgii* in Laboratory Culture **31**, 299 (1975)
Fletcher, R.L.: Studies on the Life History of *Rhodophysema elegans* in Laboratory Culture **40**, 291 (1977)
Fletcher, T.C., see Mackie, A.M., et al. **29**, 307 (1975)
Flindt, R.: Zur Abhängigkeit des Herzschlags vom O_2-Gehalt des Wasser bei *Carcinus maenas*. [On the Dependence of the Heart Rate in *Carcinus maenas* upon the O_2 Content of the Water] **9**, 224 (1971)
Floodgate, G.D., see Andrews, A.R. **25**, 7 (1974)
Floodgate, G.D., see Litchfield, C.D. **30**, 97 (1975)
Floodgate, G.D., see Nedwell, D.B. **11**, 306 (1971)
Floodgate, G.D., see Nedwell, D.B. **14**, 18 (1972)
Floodgate, G.D., see Nedwell, D.B. **16**, 192 (1972)
Floodgate, G.D., see Litchfield, C.D., et al. **26**, 249 (1974)
Flowerdew, M.W., Crisp, D.J.: Esterase Heterogeneity and an Investigation into Racial Differences in the Cirripede *Balanus balanoides* Using Acrylamide Gel Electrophoresis **33**, 33 (1975)
Flowerdew, M.W., Crisp, D.J.: Allelic Esterase Isozymes, Their Variation with Season, Position on the Shore and Stage of Development in the Cirripede *Balanus balanoides* **35**, 319 (1976)
Flowerdew, M.W., see Crisp, D.J., et al. **46**, 181 (1978)
Floyd, G., see Middaugh, D.P., et al. **46**, 1 (1978)
Flynn, M.J., see Frolander, H.F., et al. **21**, 277 (1973)
Foelsche, K., see Moskovits, G. **5**, 57 (1970)
Føyn, E., Hanneborg, S.: Determination of ^{14}C Labelled Carbonate in Solution **8**, 57 (1971)
Folsom, T.R., see Cowen, J.P., et al. **37**, 239 (1976)
Fonds, M., see Rosenthal, H. **21**, 203 (1973)
Forbes, A.T.: An Unusual Abbreviated Larval Life in the Estuarine Burrowing Prawn *Callianassa kraussi* (Crustacea: Decapoda: Thalassinidea) **22**, 361 (1973)
Forbes, A.T., see Blaber, S.J.M., et al. **28**, 333 (1974)
Fordy, M.R., see Jones, M.B. **10**, 265 (1971)
Forester, J., see Nimmo, D.R., et al. **11**, 191 (1971)
Forester, J., see Lowe, J.I., et al. **17**, 209 (1972)
Foret, J.P., see Bellan, G., et al. **14**, 183 (1972)
Forster, J.R.M., see Cowey, C.B. **10**, 77 (1971)
Fortier, L., Legendre, L., Cardinal, A., Trump, C.L.: Variabilité à court terme du phytoplancton de l'estuaire du Saint-Laurent. [Short-Term Variability of Phytoplankton in the St. Lawrence Estuary] **46**, 349 (1978)
Forward, R.B., Costlow, J.D.: The Ontogeny of Phototaxis by Larvae of the Crab *Rhithropanopeus harrisii* **26**, 27 (1974)
Forward, R.B., Jr.: Occurrence of a Shadow Response Among Brachyuran Larvae **39**, 331 (1977)
Forward, R.B., Jr., see Lang, W.H., et al. **58**, 139 (1980)
Fossato, V.U., Canzonier, W.J.: Hydrocarbon Uptake and Loss by the Mussel *Mytilus edulis* **36**, 243 (1976)
Fossato, V.U., Siviero, E.: Oil Pollution Monitoring in the Lagoon of Venice Using the Mussel *Mytilus galloprovincialis* **25**, 1 (1974)
Fossato, V.U., see Venezia, Dalla L. **42**, 233 (1977)
Foster, B.A.: Tolerance of High Temperatures by Some Intertidal Barnacles **4**, 326 (1969)
Foster, B.A.: Desiccation as a Factor in the Interidal Zonation of Barnacles **8**, 12 (1971)
Foster, B.A., Nott, J.A.: Sensory Structures in the Opercula of the Barnacle *Elminius modestus* **4**, 340 (1969)
Foster, M.S.: Algal Succession in a *Macrocystis pyrifera* Forest **32**, 313 (1975)
Foster, M.S.: Regulation of Algal Community Development in a *Macrocystis pyrifera* Forest **32**, 331 (1975)
Foster, P., see Walker, G., et al. **30**, 57 (1975)
Foster, P., see Walker, G., et al. **33**, 161 (1975)
Fotheringham, N.: Effects of Shell Utilization on Reproductive Patterns in Tropical Hermit Crabs **55**, 287 (1980)
Fournier, R.O., see Mills, E.L. **54**, 101 (1979)
Fowler, S.W., Benayoun, G.: Influence of Environmental Factors on Selenium Flux in Two Marine Invertebrates **37**, 59 (1976)
Fowler, S.W., Small, L.F., Dean, J.M.: Experimental Studies on Elimination of Zinc-65, Cesium-137 and Cerium-144 by Euphausiids **8**, 224 (1971)
Fowler, S.W., Small, L.F., Kečkeš, S.: Effects of Temperature and Size on Molting of Euphausiid Crustaceans **11**, 45 (1971)
Fowler, S.W., Heyraud, M., Small, L.F., Benayoun, G.: Flux of ^{141}Ce Through a Euphausiid Crustacean **21**, 317 (1973)
Fowler, S.W., Rosa, J. La, Heyraud, M., Renfro, W.C.: Effect of Different Radiotracer Labelling Techniques on Radionuclide Excretion from Marine Organisms **30**, 297 (1975)
Fowler, S.W., Heyraud, M., Rosa, J. La: Factors Affecting Methyl and Inorganic Mercury Dynamics in Mussels and Shrimp **46**, 267 (1978)
Fowler, S.W., Polikarpov, G.G., Elder, D.L., Parsi, P., Villeneuve, J.-P.: Polychlorinated Biphenyls: Accumulation from Contamined Sediments and Water by the Polychaete *Nereis diversicolor* **48**, 303 (1978)
Fowler, S.W., see Beasley, T.M. **38**, 95 (1976)
Fowler, S.W., see Benayoun, G. **59**, 219 (1980)
Fowler, S.W., see Jennings, C.D. **56**, 277 (1980)
Fowler, S.W., see Small, L.F. **18**, 284 (1973)
Fowler, S.W., see Ünlü, M.Y. **51**, 209 (1979)
Fowler, S.W., see Kečkeš, S., et al. **13**, 94 (1972)
Fowler, S.W., see Benayoun, G., et al. **27**, 205 (1974)
Fowler, S.W., see Heyraud, M., et al. **34**, 127 (1976)
Fowler, S.W., see Beasley, T.M., et al. **44**, 325 (1978)
Fowler, S.W., see Small, L.F., et al. **51**, 233 (1979)
Fowler, S.W., see Miramand, P., et al. **56**, 281 (1980)
Fox, D.L., see Ruby, E.G. **35**, 149 (1976)
Fox-Norse, V., see Norse, E.A. **40**, 375 (1977)
Foxton, P., Roe, H.S.J.: Observations on the Noctural Feeding of Some Mesopelagic Decapod Crustacea **28**, 37 (1974)
Fraizier, A., Vilquin, A.: Etude expérimentale de l'élimination du ^{137}Cs chez le mulet *Mugil chelo* et la blennie *Blennius pholis* [An Experimental Study of ^{137}Cs Elimination in the Mullet *Mugil chelo* and the Blenny *Blennius pholis*] **10**, 154 (1971)
Fraizier, A., see Guary, J.C. **41**, 263 (1977)
Fraizier, A., see Saraiva, M.C. **29**, 343 (1975)
Fraizier, A., see Guary, J.C., et al. **36**, 13 (1976)
Fralick, R.A., Mathieson, A.C.: Ecological Studies of *Codium fragile* in New England, USA **19**, 127 (1973)
Fralick, R.A., Mathieson, A.C.: Physiological Ecology of Four *Polysiphonia* Species (Rhodophyta, Ceramiales) **29**, 29 (1975)
Francescon, A., see Barbaro, A., et al. **46**, 247 (1978)
Francis, V., see Conover, R.J. **18**, 272 (1973)
Franco, P.J., see Cheng, L., et al. **54**, 201 (1979)
Frank, J.R., Sulkin, S.D., Morgan, R.P., II: Biochemical Changes During Larval Development of the Xanthid Crab *Rhithropanopeus harrisii*. I. Protein, Total Lipid, Alkaline Phosphatase, and Glutamic Oxaloacetic Transaminase **32**, 105 (1975)
Frank, P.W.: Latitudinal Variation in the Life History Features of the Black Turban Snail *Tegula funebralis* (Prosobranchia: Trochidae) **31**, 181 (1975)
Franqueville, C.: Etude comparative de macroplancton en Méditerranée nord-occidentale par plongées en soucoupe SP 350 et pêches au chalut pélagique. [Comparative Study of Macroplancton in North-Occidental Mediterranean Sea, by Dives in Diving Saucer SP 350, and Catches by Pelagic Trawl] **5**, 172 (1970)
Franz, D.R.: Zoogeography of Northwest Atlantic Opisthobranch Molluscs **7**, 171 (1970)
Fredericks, C.A.: Oxygen as a Limiting Factor in Phototaxis and in Intraclonal Spacing of the Sea Anemone *Anthopleura elegantissima* **38**, 25 (1976)
Fredj, G., see Falconetti, C., et al. **34**, 247 (1976)
Fredj, G., see Falconetti, C., et al. **39**, 171 (1977)
Fredj-Reygrobellet, D., see Falconetti, C., et al. **34**, 247 (1976)
Fredj-Reygrobellet, D., see Falconetti, C., et al. **39**, 171 (1977)
Freitas, Y.M., see Gandhi, N.M. **1**, 289 (1968)
Frenkiel, L., Mouëza, M.: Développement larvaire de deux Tellinacea, *Scrobicularia*

plana (Semelidae) et *Donax vittatus* (Donacidae). [Larval Development of Two Tellinacea, *Scrobicularia plana* (Semelidae) and *Donax vittatus* (Donacidae)] **55**, 187 (1979)
Fricke, H., Fricke, S.: Tidal-Linked Behaviour of the Shrimp *Ligur uvea* in a Land-Enclosed Marine Pool **50**, 163 (1979)
Fricke, H.W.: Neue kriechende Ctenophoren der Gattung *Caeloplana* aus Madagaskar. [New Creeping Ctenophores of the Genus *Coeloplana* from Madagaskar] **5**, 225 (1970)
Fricke, H.W.: Ein mimetisches Kollektiv – Beobachtungen an Fischschwärmen, die Seeigel nachahmen. [A Mimetic Group – Observations on Fish-Schools Imitating Sea Urchins] **5**, 307 (1970)
Fricke, H.W.: Fische als Feinde tropischer Seeigel. [Fishes as Enemies of Tropical Sea Urchins] **9**, 328 (1971)
Fricke, H.W.: Eine Fisch-Seeigel-Partnerschaft. Untersuchungen optischer Reizparameter beim Formenerkennen. [Fish-Sea Urchin Partnership. Investigations on Parameters of Optical Stimuli During Form Recognition] **19**, 290 (1973)
Fricke, H.W.: Der Einfluß des Lichtes auf Körperfärbung und Dämmerungsverhalten des Korallenfisches *Chaetodon melanotus*. [The Influence of Light on Body Coloration and Twilight Behaviour of the Coral Fish *Chaetodon melanotus*] **22**, 251 (1973)
Fricke, H.W.: Möglicher Einfluß von Feinden auf das Verhalten von *Diadema*-Seeigeln. [Possible Influence of Predators on the Behaviour of *Diadema* Sea Urchins] **27**, 59 (1974)
Fricke, H.W., see Casimir, M.J. **9**, 339 (1971)
Fricke, S., see Fricke, H. **50**, 163 (1979)
Friebele, E.S., Correll, D.L., Faust, M.A.: Relationship Between Phytoplankton Cell Size and the Rate of Orthophosphate Uptake: *In situ* Observations of an Estuarine Population **45**, 39 (1978)
Fritsch, H.A.R.: Über den Einfluß des hydrostatischen Druckes auf die Ultrastrukturen von Zellen und Geweben. [On the Influence of Hydrostatic Pressure on the Ultrastructures of Cells and Tissues.] I. Untersuchungen am Kiemenepithel mariner Muscheln. [I. Investigations on Gill Epithelium of Marine Bivalves] **20**, 71 (1973)
Fritsch, H.A.R.: Main title see above. II. Untersuchungen an Membransystemen von Kiemenepithelien mariner Muscheln und dem Kiemendarm von *Branchiostoma lanceolatum*. [II. Investigations on Membrane Systems of Gill Epithelia of Marine Bivalves and the Pharynx of *Branchiostoma lanceolatum*] **27**, 339 (1974)
Fritsch, H.A.R.: Main title see above. III. Untersuchungen an Filament- und Mikrotubulisystemen verschiedener Gewebe mariner Muscheln und *Branchiostoma lanceolatum*. [III. Investigations on Filament and Microtubule Systems in Various Tissues of Marine Mussels and *Branchiostoma lanceolatum*] **28**, 265 (1974)
Fritsch, H.A.R.: Main title see above. IV. Der Effekt der Temperatur auf die Druckresistenz der Membran-, Filament- und Mikrotubulisysteme verschiedener Gewebe mariner Muscheln und *Branchiostoma lanceolatum*. [IV. Temperature Effects on the Pressure Resistance of Membrane, Filament and Microtubule Systems in Various Tissues of Marine Mussels and *Branchiostoma lanceolatum*] **28**, 279 (1974)
Fritsch, H.A.R.: Main title see above. V. Die Bedeutung der Druckdauer für die Druckresistenz der Membran-, Filament- und Mikrotubulisysteme in Zellen mariner Tiere. [V. The Importance of Pressure Period on Pressure Resistance of Membrane, Filament and Microtubule Systems in Cells of Marine Animals] **28**, 287 (1974)
Fritsch, H.A.R.: Main title see above. VI. Reversibilitätsversuche druckinduzierter Schädigungen an Membranen und Mikrotubuli in Zellen mariner Tiere. [VI. Experiments on Reversibility of Pressure-Induced Damage of Membranes, Filaments and Microtubules in Cells of Marine Animals] **28**, 295 (1974)
Froesch, D.: Projection of Chromatophore Nerves on the Body Surface of *Octopus vulgaris* **19**, 153 (1973)
Frösch, D., see Boletzky, S. von, et al. **8**, 82 (1971)
Frösch, D., see Mangold, K., et al. **8**, 109 (1971)
Frolander, H.F., Miller, C.B., Flynn, M.J., Myers, S.C., Zimmermann, S.T.: Seasonal Cycles of Abundance in Zooplanktion Populations of Yaquina Bay, Oregon **21**, 277 (1973)
Frood, D., see Fisher, N.S. **59**, 85 (1980)
Frost, B.W.: *Calanus marshallae*, a New Species of Calanoid Copepod Closely Allied to the Sibling Species *C. finmarchicus* and *C. glacialis* **26**, 77 (1974)
Fudge, H.: The "Red Tides" of Malta **39**, 381 (1977)
Fürstenberg, G., see Westernhagen, H. von, et al. **51**, 195 (1979)
Fuhrman, J.A., Ammerman, J.W., Azam, F.: Bacterioplankton in the Coastal Euphotic Zone: Distribution, Activity and Possible Relationships with Phytoplankton **60**, 201 (1980)
Fuhrmann, J.A., see Hollibaugh, J.T., et al. **59**, 15 (1980)
Fujii, K., see Takahashi, M., et al. **19**, 102 (1973)
Fujita, Y., see Shimura, S. **31**, 121 (1975)
Fujita, Y., see Shimura, S. **33**, 185 (1975)
Fujita, Y., see Terazaki, M., et al. **41**, 119 (1977)
Furch, K.: Der Einfluß einer Vorbehandlung mit konstanten und wechselnden Temperaturen auf die Hitzeresistenz von *Gammarus salinus* und *Idotea balthica*. [The Influence of Pretreatment with Constant and Fluctuating Temperatures on the Heat Resistance of *Gammarus salinus* and *Idotea balthica*] **15**, 12 (1972)

G

Gabbott, P.A., see Cook, P.A. **7**, 11 (1970)
Gabbott, P.A., see Langton, R.W. **24**, 181 (1974)
Gätzi, V., see Boletzky, S. von, et al. **8**, 82 (1971)
Gage, J.: Community Structure of the Benthos in Scottish Sea-Lochs. I. Introduction and Species Diversity **14**, 281 (1972)
Gage, J., Geekie, A.D.: Community Structure of the Benthos in Scottish Sea-Lochs. II. Spatial Pattern **19**, 41 (1973)
Gage, J., Geekie, A.D.: Community Structure of the Benthos in Scottish Sea-Lochs. III. Further Studies on Patchiness **20**, 89 (1973)
Gaill, F., Momzikoff, A.: The Presence of Riboflavin and Two Pterins in Ascidians (Tunicata) and Their Excretion into Sea Water **29**, 315 (1975)
Gaines, M.S., Caldwell, J., Vivas, A.M.: Genetic Variation in the Mangrove Periwinkle *Littorina angulifera* **27**, 327 (1974)
Gainey, L.F., Jr., Greenberg, M.J.: Physiological Basis of the Species Abundance-Salinity Relationship in Molluscs: A Speculation **40**, 41 (1977)
Galkina, L.A.: Fertilization and Early Developmental Stages of Eggs of *Clupea harengus pallasi* n. *marisalbi* Under Fresh-Water Conditions **6**, 303 (1970)
Gall, A.L., see Marshall, N. et al. **12**, 194 (1972)
Gallagher, E.D., see Feller, R.J., et al. **54**, 61 (1979)
Gallardo, C.S.: Two Modes of Development in the Morphospecies *Crepidula dilatata* (Gastropoda: Calyptraeidae) from Southern Chile **39**, 241 (1977)
Galleni, L., Tongiorgi, P., Ferrero, E., Salghetti, U.: *Stylochus mediterraneus* (Turbellaria: Polycladida), Predator on the Mussel *Mytilus galloprovincialis* **55**, 317 (1980)
Gallucci, V.F., see Hylleberg, J. **32**, 167 (1975)
Gamble, J.C.: Effect of Low Dissolved Oxygen Concentrations on the Ventilation Rhythm of Three Tubicolous Crustaceans, with Special Reference to the Phenomenon of Intermittent Ventilation **6**, 121 (1970)
Gamble, J.C.: Copepod Grazing During a Declining Spring Phytoplankton Bloom in the Northern North Sea **49**, 303 (1978)
Ganapati, P.N., see Balaparameswara Rao, M. **9**, 109 (1971)
Ganapati, P.N., see Balaparameswara Rao, M. **10**, 236 (1971)
Ganapati, P.N., see Bhavanarayana, P.V. **11**, 173 (1971)
Ganapati, P.N., see Prasada Rao, D.G.V. **1**, 309 (1968)
Gandhi, J., see Gandhi, N.M., et al. **34**, 223 (1976)
Gandhi, N.M., Freitas, Y.M.: Transformation of Progesterone by Marine Bacteria **1**, 289 (1968)
Gandhi, N.M., Patell, J.R., Gandhi, J., Souza, N.J. De, Kohl, H.: Prodigiosin

Metabolites of a Marine *Pseudomonas* Species **34**, 223 (1976)
Ganning, B.: On the Ecology of *Heterocypris salinus, H. incongruens* and *Cypridopsis aculeata* (Crustacea: Ostracoda) from Baltic Brackish-Water Rockpools **8**, 271 (1971)
Gardner, W.S., see Hanson, R.B. **46**, 101 (1978)
Gargas, E., Hare, I., Martens, P., Edler, L.: Diel Changes in Phytoplankton Photosynthetic Efficiency in Brackish Waters **52**, 113 (1979)
Garside, C., see Malone, T.C., et al. **58**, 197 (1980)
Gatten, R.R., see Sargent, J.R., et al. **10**, 346 (1971)
Gaudy, R.: Etude expérimentale de la ponte chez trois espèces de copépodes pélagiques *(Centropages typicus, Acartia clausi* et *Temora stylifera)*. [Experimental Study of Egg-Laying in Three Neritic Copopod Species *(Centropages typicus, Acartia clausi,* and *Temora stylifera)*] **9**, 65 (1971)
Gaudy, R.: Feeding Four Species of Pelagic Copepods Under Experimental Conditions **25**, 125 (1974)
Gaudy, R.: Etude de la respiration chez des copépodes pélagiques méditerranéens (bassin occidental et Mer Ionienne) et de ses variations en fonction de la bathymétrie des expèces et de leur origine géographique. [Study of Respiration in Some Mediterranean Pelagic Copepods (Occidental Basin and Ionian Sea) and of Its Variations in Relation to the Bathymetric Character and the Geographic Origin of Species] **29**, 109 (1975)
Gaudy, R.: Etude des modifications du métabolisme respiratoire de populations d'*Acartia clausi* (Crustacea: Copepoda) après passage dans le circuit de refroidissement d'une centrale thermo-électrique. [Study on Respiratory Metabolism Modifications in *Acartia clausi* (Crustacea: Copepoda) Populations After Passage Through the Cooling Circuit of a Power Plant] **39**, 179 (1977)
Gaudy, R., Guérin, J.P.: Dynamique des populations de *Tisbe holothuriae* (Crustacea: Copepoda) en élevage sur trois régimes artificiels différents. [Population Dynamics of *Tisbe holothuriae* (Crustacea: Copepoda) Reared on Three Different Artificial Diets] **39**, 137 (1977)
Gaudy, R., see Champalbert, G. **9**, 71 (1971)
Gaudy, R., see Champalbert, G. **12**, 159 (1972)
Gaudy, R., see Guérin, J.-P. **44**, 65 (1977)
Gauwerky, C., Uhlenbruck, G., Renwrantz, L.: Blutgruppen-ähnliche Substanzen in einigen marinen Invertebraten. IV. H- und A-ähnliche Substanzen, Agglutinine und Präzipitine: Ihre Verteilung bei *Cerianthus* sp. [Blood-Group-Like Substances in Some Marine Invertebrates. IV. H- and A-Like Substances, Agglutinins and Precipitins: Their Distribution in *Cerianthus* sp.] **26**, 369 (1974)
Gearing, J.N., see Lytle, J.S., et al. **51**, 279 (1979)
Gearing, P.J., see Lytle, J.S., et al. **51**, 279 (1979)
Gee, J.M., see Davey, J.T., et al. **45**, 319 (1978)
Geekie, A.D., see Gage, J. **19**, 41 (1973)
Geekie, A.D., see Gage, J. **20**, 89 (1973)
Geen, G.H., see Wallen, D.G. **10**, 34 (1971)
Geen, G.H., see Wallen, D.G. **10**, 44 (1971)
Geen, G.H., see Wallen, D.G. **10**, 157 (1971)
Gelfand, V.I., see Zelickman, E.A., et al. **4**, 167 (1969)
Genthe, H.C., Jr.: The Reproductive Biology of *Sergestes similis* (Decapoda, Natantia) **2**, 203 (1969)
George, R.Y., see Menzies, R.J. **13**, 155 (1972)
George, S.G., Coombs, T.L.: The Effects of Chelating Agents on the Uptake and Accumulation of Cadmium by *Mytilus edulis* **39**, 261 (1977)
George, S.G., Pirie, B.J.S., Cheyne, A.R., Coombs, T.L., Grant, P.T.: Detoxication of Metals by Marine Bivalves: An Ultrastructural Study of the Compartmentation of Copper and Zinc in the Oyster *Ostrea edulis* **45**, 147 (1978)
Gerber, M.B., see Gerber, R.P. **52**, 33 (1979)
Gerber, R.P., Gerber, M.B.: Ingestion of Natural Particulate Organic Matter and Subsequent Assimilation, Respiration and Growth by Tropical Lagoon Zooplankton **52**, 33 (1979)
Gerlach, S.A.: In Memory of Bertil Swedmark **33**, 279 (1975)
Gerlach, S.A., Schrage, M.: Life Cycles in Marine Meiobenthos. Experiments at Various Temperatures with *Monhystera disjuncta* and *Theristus pertenuis* (Nematoda) **9**, 274 (1971)
Germer, T., Hündgen, M.: The Biology of Colonial Hydroids. II. The Morphology and Ultrastructure of the Medusa of *Eirene viridula* (Thecata-Leptomedusa: Campanulinidae) **50**, 81 (1978)
Gerrodette, T., Flechsig, A.O.: Sediment-Induced Reduction in the Pumping Rate of the Tropical Sponge *Verongia lacunosa* **55**, 103 (1979)
Gessner, F.: Die Zellwand mariner Phanerogamen. [The Cell Wall of Marine Phanerogams] **1**, 191 (1968)
Gessner, F.: Photosynthesis and Ion Loss in the Brown Algae *Dictyopteris membranacea* and *Fucus virsoides* **4**, 349 (1969)
Gessner, F.: The Water Economy of the Sea Grass *Thalassia testudinum* **10**, 258 (1971)
Gessner, F., Hammer, L.: Exosmosis and "Free Space" in Marine Benthic Algae **2**, 88 (1968)
Gessner, R.V., Goos, R.D., Sieburth, J. McN.: The Fungal Microcosm of the Internodes of *Spartina alterniflora* **16**, 269 (1972)
Ghibaudo, M., see Bernhard, M. et al. **25**, 339 (1974)
Giam, C.S., see Roesijadi, G., et al. **38**, 343 (1976)
Giam, C.S., see Roesijadi, G., et al. **38**, 357 (1976)
Gibson, R., see Zimmerman, R., et al. **54**, 41 (1979)
Gibson, R.N.: Tidal and Circadian Activity Rhythms in Juvenile Plaice, *Pleuronectes platessa* **22**, 379 (1973)
Gibson, V.R., see Grice, G.D. **31**, 335 (1975)
Giere, O.: Oxygen in the Marine Hygropsammal and the Vertical Microdistribution of Oligochaetes **21**, 180 (1973)
Giere, O.: Population Structure, Food Relations and Ecological Role of Marine Oligochaetes, with Special Reference to Meiobenthic Species **31**, 139 (1975)
Giese, A.C., see Webber, H.H. **4**, 152 (1969)
Gilchrist, I., see Lincoln, R.J. **6**, 1 (1970)
Gilchrist, I., see Macdonald, A.G. **45**, 9 (1978)
Gilfillan, E.S.: Decrease of Net Carbon Flux in Two Species of Mussels Caused by Extracts of Crude Oil **29**, 53 (1975)
Gilfillan, E.S.: Effects of Water-Body Characteristics Other than Temperature and Salinity on Respiration in *Euphausia pacifica* **38**, 305 (1976)
Gilfillan, E.S., Mayo, D., Hanson, S., Donovan, D., Jiang, L.C.: Reduction in Carbon Flux in *Mya arenaria* caused by a Spill of No. 6 Fuel Oil **37**, 115 (1976)
Gillen, R.G.: The Effect of Pressure on Muscle Lactate Dehydrogenase Activity of Some Deep-Sea and Shallow-Water Fishes **8**, 7 (1971)
Gillette, M.U., see Hadfield, M.G., et al. **12**, 81 (1972)
Gilmartin, M., see Revelante, N. **34**, 259 (1976)
Gilmartin, W.G., see Martin, J.H., et al. **35**, 91 (1976)
Girvin, D., see Martin, J.H., et al. **35**, 91 (1976)
Gitelzon, I.I., see Vinogradov, M.E., et al. **6**, 187 (1970)
Gladfelter, W.B.: Structure and Function of the Locomotory System of the Scyphomedusa *Cyanea capillata* **14**, 150 (1972)
Gladfelter, W.B.: General Ecology of the Cassiduloid Urchin *Cassidulus caribbearum* **47**, 149 (1978)
Gladfelter, W.B.: Twilight Migrations and Foraging Activities of the Copper Sweeper *Pempheris schomburgki* (Teleostei: Pempheridae) **50**, 109 (1979)
Glezman, G.M., see Honn, K.V., et al. **34**, 211 (1976)
Glickstein, N.: Acute Toxicity of Mercury and Selenium to *Crassostrea gigas* Embryos and *Cancer magister* Larvae **49**, 113 (1978)
Glover, H.E., see Morris, I. **24**, 147 (1974)
Glover, H.E., see Morris, I., et al. **27**, 1 (1974)
Glynn, P.W.: Mass Mortalities of Echinoids and Other Reef Flat Organisms Coincident with Midday, Low Water Exposures in Puerto Rico **1**, 225 (1968)
Glynn, P.W.: Ecology of a Caribbean Coral Reef. The *Porites* Reef-Flat Biotope. I. Meteorology and Hydrography **20**, 297 (1973)
Glynn, P.W.: Ecology of a Caribbean Coral Reef. The *Porites* Reef-Flat Biotope. II. Plankton Community with Evidence for Depletion **22**, 1 (1973)
Gnaiger, E., see Wieser, W., et al. **26**, 235 (1974)
Gnassia-Barelli, M., Romeo, M., Laumond, F., Pesando, D.: Experimental Studies on the Relationship Between Natural Copper

Complexes and Their Toxicity to Phytoplankton **47**, 15 (1978)
Gnassia-Barelli, M., see Härdstedt-Roméo, M. **59**, 79 (1980)
Gocke, K.: Studies on Short-Term Variations of Heterotrophic Activity in the Kiel Fjord **33**, 49 (1975)
Gocke, K.: Respiration von gelösten organischen Verbindungen durch natürliche Mikroorganismen-Populationen. Ein Vergleich zwischen verschiedenen Biotopen. [Respiration of Dissolved Organic Compounds by Natural Populations of Microorganisms. A Comparison Between Different Biotopes] **35**, 375 (1976)
Gocke, K.: Untersuchungen über die heterotrophe Aktivität in der zentralen Ostsee. [Investigations on Heterotrophic Activity in the Central Baltic Sea] **40**, 87 (1977)
Gocke, K.: Comparison of Methods for Determining the Turnover Times of Dissolved Organic Compounds **42**, 131 (1977)
Goerke, H., see Ernst, W. **24**, 287 (1974)
Golandsky, B., see Kimor, B. **42**, 55 (1977)
Gold, K.: Growth Characteristics of the Mass-Reared Tintinnid *Tintinnopsis beroidea* **8**, 105 (1971)
Gold, K., Pollingher, U.: Microgamete Formation and the Growth Rate of *Tintinnopsis beroidea* **11**, 324 (1971)
Goldberg, W.M.: Comparative Study of the Chemistry and Structure of Gorgonian and Antipatharian Coral Skeletons **35**, 253 (1976)
Goldberg, W.M.: Chemical Changes Accompanying Maturation of the Connective Tissue Skeletons of Gorgonian and Antipatharian Corals **49**, 203 (1978)
Goldman, J.C., Stanley, H.I.: Relative Growth of Different Species of Marine Algae in Wastewater-Seawater Mixtures **28**, 17 (1974)
Goldspink, G., see Johnston, I.A. **19**, 348 (1973)
Goldstein, R.A., see Smith, A.C. **8**, 6 (1971)
Golikov, A.N.: Species and Speciation in Poikilothermal Animals **21**, 257 (1973)
Golikov, A.N., Menshutkin, V.V.: Estimation of Production Properties of Mollusk Populations **20**, 6 (1973)
Golikov, A.N., Scarlato, O.A.: Method for Indirectly Defining Optimum Temperatures of Inhabitancy for Marine Cold-Blooded Animals **20**, 1 (1973)
Golikov, A.N., Tzvetkova, N.L.: The Ecological Principle of Evolutionary Reconstruction as Illustrated by Marine Animals **14**, 1 (1972)
Golovkin, A.N., see Zelickman, E.A. **17**, 265 (1972)
Gonor, J.J.: Sex Ratio and Hermaphroditism in Oregon Intertidal Populations of the Echinoid *Strongylocentrotus purpuratus* **19**, 278 (1973)
Gonor, J.J., see Barnes, J.R. **20**, 259 (1973)
Gonor, J.J., see Lough, R.G. **8**, 118 (1971)
Gonor, J.J., see Lough, R.G. **22**, 241 (1973)
Gonor, J.J., see Lough, R.G. **22**, 295 (1973)
González, J.G.: Critical Thermal Maxima and Upper Lethal Temperatures for the Calanoid Copepods *Acartia tonsa* and *A. clausi* **27**, 219 (1974)
González, J.G., Yevich, P.: Responses of an Estuarine Population of the Blue Mussel *Mytilus edulis* to Heated Water from a Steam Generating Plant **34**, 177 (1976)
González, J.G., see Everich, D. **41**, 141 (1977)
Gooch, J.L., see Snyder, T.P. **22**, 177 (1973)
Goodrich, T.D., Morita, R.Y.: Incidence and Estimation of Chitinase Activity Associated with Marine Fish and Other Estuarine Samples **41**, 349 (1977)
Goodrich, T.D., Morita, R.Y.: Bacterial Chitinase in the Stomachs of Marine Fishes from Yaquina Bay, Oregon, USA **41**, 355 (1977)
Goos, R.D., see Gessner, R.V., et al. **16**, 269 (1972)
Goos, R.D., see Brooks, R.D., et al. **16**, 274 (1972)
Gordon, D.C., Jr., Prouse, N.J.: The Effects of Three Oils on Marine Phytoplanktion Photosynthesis **22**, 329 (1973)
Gordon, D.P.: Microarchitecture and Function of the Lophophore in the Bryozoan *Cryptosula pallasiana* **27**, 147 (1974)
Gordon, J., Carriker, M.R.: Sclerotized Protein in the Shell Matrix of a Bivalve Mollusc **57**, 251 (1980)
Gordon, M.S.: Comparative Studies on the Metabolism of Shallow-Water and Deep-Sea Marine Fishes. I. White-Muscle Metabolism in Shallow-Water Fishes **13**, 222 (1972)
Gordon, M.S.: Comparative Studies on the Metabolism of Shallow-Water and Deep-Sea Marine Fishes. II. Red-Muscle Metabolism in Shallow-Water Fishes **15**, 246 (1972)
Gordon, M.S., Thomas, T.J.: Comparative Studies on the Metabolism of Shallow-Water and Deep-Sea Marine Fishes. III. Apparatus for Studies of Tissue Preparations Under High Hydrostatic Pressures **28**, 73 (1974)
Gordon, M.S., Belman, B.W., Chow, P.H.: Comparative Studies on the Metabolism of Shallow-Water and Deep-Sea Marine Fishes. IV. Patterns of Aerobic Metabolism in the Mesopelagic Deep-Sea Fangtooth Fish *Anoplogaster cornuta* **35**, 287 (1976)
Gordon, M.S., see Belman, B.W. **50**, 275 (1979)
Gore, R.H.: The Complete Larval Development of *Porcellana sigsbeiana* (Crustacea: Decapoda) Under Laboratory Conditions **11**, 344 (1971)
Gosselck, F., Kuehner, E.: Investigations on the Biology of *Branchiostoma senegalense* Larvae off the Northwest African Coast **22**, 67 (1973)
Gosselck, F., Kell, V., Spittler, P.: On the Feeding of *Branchiostoma senegalense* (Acrania: Branchiostomidae) **46**, 175 (1978)
Gostan, J., see Costle, B., et al. **16**, 320 (1972)
Graham, J.B.: Preliminary Studies on the Biology of the Amphibious Clinid *Mnierpes macrocephalus* **5**, 136 (1970)
Graham, J.B.: Terrestrial Life of the Amphibious Fish *Mnierpes macrocephalus* **23**, 83 (1973)
Grahame, J.: Reproductive Effort and *r*- and *K*-Selection in Two Species of *Lacuna* (Gastropoda: Prosobranchia) **40**, 217 (1977)
Grahn, O., see Nagell, B., et al. **28**, 237 (1974)
Grall, J.-R.: Développement «printanier» de la diatomée *Rhizosolenia delicatula* près de Roscoff. [Spring Bloom of the Diatom *Rhizosolenia delicatula* near Roscoff] **16**, 41 (1972)
Grandperrin, R., Michel, A.: Evaluation des poids humides de micronecton après centrifugation. [Evaluation of Micronekton Wet Weight After Centrifugation] **4**, 139 (1969)
Grandperrin, R., Michel, A.: Emploi du chalut pélagique Isaacs-Kidd 10 pieds dans les eaux équatoriales du Pacifique. [Use of the 10-Foot Isaacs-Kidd Midwater Trawl in the Equatorial Waters of the Pacific] **7**, 273 (1970)
Grandperrin, R., see Michel, A. **6**, 200 (1970)
Grandperrin, R., see Michel A. **8**, 238 (1971)
Granmo, Å.: Development and Growth of Eggs and Larvae of *Mytilus edulis* Exposed to a Linear Dodecylbenzenesulphonate, LAS **15**, 356 (1972)
Granmo, Å., Jørgensen, G.: Effects on Fertilization and Development of the Common Mussel *Mytilus edulis* After Long-Term Exposure to a Nonionic Surfactant **33**, 17 (1975)
Granmo, Å., see Swedmark, M., et al. **9**, 183 (1971)
Grant, J.: A Flume Study of Drift in Marine Infaunal Amphipods (Haustoriidae) **56**, 79 (1980)
Grant, P.T., see George, S.G., et al. **45**, 147 (1978)
Grant, W.S.: High Intertidal Community Organization on a Rocky Headland in Maine, USA **44**, 15 (1977)
Gravem, C.D., see Tracey, M.L., et al. **32**, 303 (1975)
Gray, J.S., see Hulings, N.C. **34**, 77 (1976)
Gray, P.W.G., see Withers, R.G., et al. **31**, 79 (1975)
Green, F.A., Jr., Anderson, J.W., Petrocelli, S.R., Presley, B.J., Sims, R.: Effect of Mercury on the Survival, Respiration and Growth of Postlarval White Shrimp, *Penaeus setiferus* **37**, 75 (1976)
Green, G.: Ecology of Toxicity in Marine Sponges **40**, 207 (1977)
Greenberg, A.J., see Litchfield, C., et al. **23**, 165 (1973)
Greenberg, M.J., see Gainey, L.F., Jr. **40**, 41 (1977)
Greene, R.W.: Symbiosis in Sacoglossan Opisthobranchs: Functional Capacity of Symbiotic Chloroplasts **7**, 138 (1970)
Greene, R.W., Muscatine, L.: Symbiosis in Sacoglossan Opisthobranchs: Photosynthetic Products of Animal-Chloroplast Associations **14**, 253 (1972)
Grenon, J.-F., Elias, J., Moorcroft, J., Crisp, D.J.: A New Apparatus for Force Measurement in Marine Bioadhesion **53**, 381 (1979)

Greve, W.: The "Planktonkreisel", a New Device for Culturing Zooplankton **1**, 201 (1968)

Greze, I.I.: Feeding Habits and Food Requirements of Some Amphipods in the Black Sea **1**, 316 (1968)

Greze, I.I.: Sur quelques rhythmes du cycle biologique des espèces d'amphipodes de la Mer Noire présentant des populations nombreuses. [On Some Rhythms of the Biological Cycle of Amphipod Species of the Black Sea Represented by Mass Populations] **16**, 75 (1972)

Grice, G.D., Gibson, V.R.: Occurrence Viability and Significance of Resting Eggs of the Calanoid Copepod *Labidocera aestiva* **31**, 335 (1975)

Griffiths, C.L., King, J.A.: Some Relationships Between Size, Food Availability and Energy Balance in the Ribbed Mussel *Aulacomya ater* **51**, 141 (1979)

Griffiths, C.L., King, J.A.: Energy Expended on Growth and Gonad Output in the Ribbed Mussel *Aulacomya ater* **53**, 217 (1979)

Griffiths, D.J.: Factors Affecting the Photosynthetic Capacity of Laboratory Cultures of the Diatom *Phaeodactylum tricornutum* **21**, 91 (1973)

Griffiths, F.B., Caperon, J.: Description and Use of an Improved Method for Determining Estuarine Zooplankton Grazing Rates on Phytoplankton **54**, 301 (1979)

Griffiths, R.P., Morita, R.Y.: Salinity Effects on Glucose Uptake and Catabolism in the Obligately Psychrophilic Marine Bacterium *Vibrio marinus* **23**, 177 (1973)

Grimes, P., see Phleger, C.F., et al. **35**, 85 (1976)

Grimes, P.W., see Horn, M.H., et al. **46**, 335 (1978)

Gronow, G.: Nukleinsäure- und Substratgehalte in der dorsalen Rumpfmuskulatur von Teleosteern während eines „biologischen Stress". [Nucleic Acid and Substrate Contents of the Dorsal Epaxial Muscle of Teleosts During "Biological Stress"] **24**, 313 (1974)

Groot, S.J. de: In Memory of Pieter Korringa (16 February, 1913 to 13 July, 1979) **55**, 1 (1979)

Gross, H.P.: Observations on the Geographic Variation of the Marine Coastal Fish *Spinachia spinachia* **47**, 297 (1978)

Groves, K.H., see Dimock, R.V., Jr. **33**, 301 (1975)

Groweiss, A., see Kashman, Y., et al. **55**, 255 (1980)

Gruffydd, Ll.D., Beaumont, A.R.: A Method for Rearing *Pecten maximus* Larvae in the Laboratory **15**, 350 (1972)

Gruffydd, Ll.D., see Thomas, G.E. **10**, 87 (1971)

Guary, J.C., Fraizier, A.: Etude comparée des teneurs en plutonium chez divers mollusques de quelques sites littoraux français. [Comparative Study of the Plutonium Levels in Various Molluscs from Several French Littoral Sites] **41**, 263 (1977)

Guary, J.C., Kayama, M., Murakami, Y.: Variations saisonnières de la composition en acides gras chez *Penaeus japonicus* (Crustacea: Decapoda). [Seasonal Variations of the Fatty Acid Composition of *Penaeus japonicus* (Crustacea: Decapoda)] **29**, 335 (1975)

Guary, J.C., Masson, M., Fraizier, A.: Etude prèliminaire, *in situ*, de la distribution du plutonium dans différents tissus et organes de *Cancer pagurus* (Crustacea: Decapoda) et de *Pleuronectes platessa* (Pisces: Pleuronectidae). [*In situ* Preliminary Study of Plutonium Distribution in Different Tissues and Organs of *Cancer pagurus* (Crustacea: Decapoda) and *Pleuronectes platessa* (Pisces: Pleuronectidae)] **36**, 13 (1976)

Guary, J.C., see Guary, M.C. **32**, 357 (1975)

Guary, J.C., see Miramand, P., et al. **56**, 281 (1980)

Guary, M.C., Guary, J.C.: Variations de la teneur en acide ascorbique dans les oeufs de *Cancer pagurus* et *Palaemon serratus* (Crustacea: Decapoda) au cours de l'embryogenèse. [Variations of Ascorbic Acid Content in the Eggs of *Cancer pagurus* et *Palaemon serratus* (Crustacea: Decapoda) During Embryogenesis] **32**, 357 (1975)

Guary, M.M., Ceccaldi, H.J., Kanazawa, A.: Variations du taux d'acide ascorbique au cours du développement de l'ovaire et du cycle d'intermue chez *Palaemon serratus* (Crustacea: Decapoda). [Variations of Ascorbic Acid During Ovarian Development and the Molting Cycle in *Palaemon serratus* (Crustacea: Decapoda)] **32**, 349 (1975)

Gueredrat, J.A.: Evolution d'une population de copépodes dans le système des courants équatoriaux de l'Océan Pacifique. Zoogéographie, écologie, et diversité spécifique. [Evolution of a Copepod Population in the Pacific Ocean Equatorial Currents System. Zoogeography, Ecology and Specific Diversity] **9**, 300 (1971)

Guérin, J.P.: Premières données sur la longévité, le rythme de ponte et la fécondité de *Scolelepis* cf. *fuliginosa* (polychète, spionide) en élevage. [Preliminary Data on the Life Span, the Breeding Rhythm and the Fecundity of *Scolelepis* cf. *fuliginosa* (Polychaete, Spionid) in Cultivation] **19**, 27 (1973)

Guérin, J.P., Gaudy, R.: Etude des variations du poids sec et de la constitution chimique élémentaire de *Tisbe holothuriae* (Copepoda: Harpacticoida) élevé sur différents régimes artificiels. [Study of Variations in Dry Weight and Elementary Chemical Composition of *Tisbe holothuriae* (Copepoda: Harpacticoida) Reared on Different Artificial Diets] **44**, 65 (1977)

Guérin, J.P., see Gaudy, R. **39**, 137 (1977)

Guérin-Ancey, O.J., see Berland, B.R., et al. **42**, 17 (1977)

Guérin-Ancey, O.J., see Berland, B.R., et al. **55**, 83 (1979)

Guglielmo, L., see Costanzo, G. **56**, 311 (1980)

Guillard, R.R.L., see Blumer, M., et al. **6**, 226 (1970)

Guillard, R.R.L., see Blumer, M., et al. **8**, 183 (1971)

Guillard, R.R.L., see Youngblood, W.W., et al. **8**, 190 (1971)

Guillard, R.R.L., see D'Elia, C.F., et al. **50**, 305 (1979)

Guillard, R.R.L., see Nelson, D.M., et al. **50**, 313 (1979)

Gundermann, N., Popper, D.: Some Aspects of Recolonization of Coral Rocks in Eilat (Gulf of Aqaba) by Fish Populations After Poisoning **33**, 109 (1975)

Gundersen, K., see Bienfang, P. **43**, 187 (1977)

Gunkel, W., see Meyers, S.P., et al. **1**, 118 (1967)

Gunnill, F.C.: Demography of the Intertidal Brown Alga *Pelvetia fastigiata* in Southern California, USA **59**, 169 (1980)

Gupta, A.N., Sharma, P.N.: *Follicovitellosum indicum*, a New Trematode, Found in the Fish *Belone belone* **12**, 99 (1972)

Gupta, A.N., Sharma, P.N.: Studies on the Family Hemiuridae (Trematoda: Digenea), with a Description of a New Genus from Marine Fish of Indian Waters **19**, 89 (1973)

Guram, M.S., see Vernberg, F.J., et al. **48**, 135 (1978)

Gust, G.: Turbulence and Waves Inside Flexible-Wall Systems Designed for Biological Studies **42**, 47 (1977)

Gust, G., Schramm, W.: Erfassung der Strömungsstruktur im Substratbereich mariner Biotope. [Evaluation of Water-Movement Structure in the Substrate Area of Marine Biotopes] **26**, 365 (1974)

H

Håkansson, N., see Kjelleberg, S. **39**, 103 (1977)

Hadfield, M.G., Hopper, C.N.: Ecological and Evolutionary Significance of Pelagic Spermatophores of Vermetid Gastropods **57**, 315 (1980)

Hadfield, M.G., Kay, E.A., Gillette, M.U., Lloyd, M.C.: The Vermetidae (Mollusca: Gastropoda) of the Hawaiian Islands **12**, 81 (1972)

Haedrich, R.L., Rowe, G.T., Polloni, P.T.: The Megabenthic Fauna in the Deep Sea South of New England, USA **57**, 165 (1980)

Haedrich, R.L., see Degens, E.T., et al. **2**, 105 (1969)

Haedrich, R.L., see Backus, R.H., et al. **3**, 87 (1969)

Haedrich, R.L., see Campbell, R.A., et al. **57**, 301 (1980)

Härdstedt-Roméo, M., Gnassia-Barelli, M.: Effect of Complexation by Natural Phytoplankton Exudates on the Accumulation of Cadmium and Copper by the Haptophyceae *Cricosphaera elongata* **59**, 79 (1980)

Hagström, A., see Larsson, U. **52**, 199 (1979)

Haines, J.L., Maurer, D.: Quantitative Faunal Associates of the Serpulid Polychaete *Hydroides dianthus* **56**, 43 (1980)

Haley, L.E., see Newkirk, G.F., et al. **41**, 49 (1977)
Hall, A., Fielding, A.H., Butler, M.: Mechanisms of Copper Tolerance in the Marine Fouling Alga *Ectocarpus siliculosus* – Evidence for an Exclusion Mechanism **54**, 195 (1979)
Hall, B.K., see Smith, S.L. **55**, 277 (1980)
Hall, J.R.: Aspects of the Biology of *Derocheilocaris typica* (Crustacea: Mystacocarida). II. Distribution **12**, 42 (1972)
Hameedi, M.J.: Aspects of Water Column Primary Productivity in the Chukchi Sea During Summer **48**, 37 (1978)
Hamilton, P.V.: Intertidal Distribution and Long-Term Movements of *Littorina irrorata* (Mollusca: Gastropoda) **46**, 49 (1978)
Hammen, C.S.: Lactate and Succinate Oxidoreductases in Marine Invertebrates **4**, 233 (1969)
Hammer, L.: Salzgehalt und Photosynthese bei marinen Pflanzen. [Salinity and Photosynthesis in Marine Plants] **1**, 185 (1968)
Hammer, L.: "Free Space-Photosynthesis" in the Algae *Fucus virsoides* and *Laminaria saccharina* **4**, 136 (1969)
Hammer, L., see Gessner, F. **2**, 88 (1968)
Hammond, R.D., Naylor, E.: Effects of Dusk and Dawn on Locomotor Activity Rhythms in the Norway Lobster *Nephrops norvegicus* **39**, 253 (1977)
Hand, S.C., Stickle, W.B.: Effects of Tidal Fluctuations of Salinity on Pericardial Fluid Composition of the American Oyster *Crassostrea virginica* **42**, 259 (1977)
Handa, N.: Carbohydrate Metabolism in the Marine Diatom *Skeletonema costatum* **4**, 208 (1969)
Handa, N., Tominaga, H.: A Detailed Analysis of Carbohydrates in Marine Particulate Matter **2**, 228 (1969)
Handa, N., Yanagi, K.: Studies on Water-Extractable Carbohydrates of the Particulate Matter from the Northwest Pacific Ocean **4**, 197 (1969)
Hanisak, M.D.: Growth Patterns of *Codium fragile* ssp. *tomentosoides* in Response to Temperature, Irradiance, Salinity, and Nitrogen Source **50**, 319 (1979)
Hanisak, M.D.: Nitrogen Limitation of *Codium fragile* ssp. *tomentosoides* as Determined by Tissue Analysis **50**, 333 (1979)
Hanks, A.R., see Petrocelli, S.R., et al. **31**, 215 (1975)
Hanna, B.A., Lilly, D.M.: Growth of *Uronema marinum* in Chemically Defined Medium **26**, 153 (1974)
Hannant, P.J., see Holland, D.L., et al. **33**, 235 (1975)
Hanneborg, S., see Føyn, E. **8**, 57 (1971)
Hansen, H.J., see Leutenegger, S. **54**, 11 (1979)
Hanson, R.B., Gardner, W.S.: Uptake and Metabolism of Two Amino Acids by Anaerobic Microorganisms in Four Diverse Salt-Marsh Soils **46**, 101 (1978)
Hanson, R.B., Wiebe, W.J.: Heterotrophic Activity Associated with Particulate Size Fractions in a *Spartina alterniflora* Salt-Marsh Estuary, Sapelo Island, Georgia, USA, and the Continental Shelf Waters **42**, 321 (1977)
Hanson, S., see Gilfillan, E.S., et al. **37**, 115 (1976)
Haq, S.M.: Breeding of *Euterpina acutifrons*, a Harpacticid Copepod, with Special Reference to Dimorphic Males **15**, 221 (1972)
Haq, S.M.: Factors Affecting Production of Dimorphic Males of *Euterpina acutifrons* **19**, 23 (1973)
Hara, K., see Nemoto, T., et al. **14**, 41 (1972)
Harbinson, G.R., see Wiebe, P.H., et al. **53**, 249 (1979)
Harding, L.W., Jr., Phillips, J.H., Jr.: Polychlorinated Biphenyl (PCB) Effects on Marine Phytoplankton Photosynthesis and Cell Division **49**, 93 (1978)
Harding, L.W., Jr., Phillips, J.H., Jr.: Polychlorinated Biphenyl (PCB) Uptake by Marine Phytoplankton **49**, 103 (1978)
Hardy, J.T., see Taslakian, M.J. **38**, 315 (1976)
Hare, I., see Gargas, E., et al. **52**, 113 (1979)
Hargraves, P.E., see Vargo, G.A., et al. **31**, 113 (1975)
Hargreaves, P.M.: Some Observations on the Relative Abundance of Biological Sound Scatterers in the North-Eastrn Atlantic Ocean, with Particular Reference to Apparent Fish Shoals **29**, 71 (1975)
Harlin, M.M., Lindbergh, J.M.: Selection of Substrata by Seaweeds: Optimal Surface Relief **40**, 33 (1977)
Harmelin-Vivien, M.L., Bouchon, C.: Feeding Behavior of Some Carnivorous Fishes (Serranidae and Scorpaenidae) from Tuléar (Madagascar) **37**, 329 (1976)
Harms, U., see Drescher, H.E., et al. **41**, 99 (1977)
Harpaz, H., see Klinker, J., et al. **45**, 53 (1978)
Harrington, J., see Zimmerman, R., et al. **54**, 41 (1979)
Harris, R.P., Berdugo, V., O'Hara, S.C.M., Corner, E.D.S.: Accumulation of ^{14}C-1-Naphthalene by an Oceanic and an Estuarine Copepod During Long-Term Exposure to Low-Level Concentrations **42**, 187 (1977)
Harris, R.P., see Heinle, D.R., et al. **40**, 341 (1977)
Harris, R.R.: Aspects of Sodium Regulation in a Brackish-Water and a Marine Species of the Isopod Genus *Sphaeroma* **12**, 18 (1972)
Harrison, J.L., see Alderman, D.J., et al. **25**, 345 (1974)
Harrison, P.J., Conway, H.L., Dugdale, R.C.: Marine Diatoms Grown in Chemostats Under Silicate or Ammonium Limitation. I. Cellular Chemical Composition and Steady-State Growth Kinetics of *Skeletonema costatum* **35**, 177 (1976)
Harrison, P.J., Conway, H.L., Holmes, R.W., Davis, C.O.: Marine Diatoms Grown in Chemostats Under Silicate or Ammonium Limitation. III. Cellular Chemical Composition and Morphology of *Chaetoceros debilis, Skeletonema costatum,* and *Thalassiosira gravida* **43**, 19 (1977). Corrigendum Notice **47**, 198 (1978)
Harrison, P.J., see Cloutier-Mantha, L. **56**, 219 (1980)
Harrison, P.J., see Conway, H.L. **43**, 33 (1977)
Harrison, P.J., see Conway, H.L., et al. **35**, 187 (1976)
Harrison, P.J., see Chan, A.T., et al. **59**, 7 (1980)
Harrison, W.G., Davies, J.M.: Nitrogen Cycling in a Marine Planktonic Food Chain: Nitrogen Fluxes Through the Principal Components and the Effects of Adding Copper **43**, 299 (1977)
Harrison, W.G., Azam, F., Renger, E.H., Eppley, R.W.: Some Experiments on Phosphate Assimilation by Coastal Marine Plankton **40**, 9 (1977)
Harrison, W.G., see Eppley, R.W., et al. **39**, 111 (1977)
Hart, R.C., McLaren, I.A.: Temperature Acclimation and Other Influences on Embryonic Duration in the Copepod *Pseudocalanus* sp. **45**, 23 (1978)
Hartman, W.D., see Bergquist, P.R. **3**, 247 (1969)
Hartmann, G.: In Memory of Adolf Remane (10 August, 1898 to 22 December, 1976) **46**, 91 (1978)
Hartmann, T., Aufermann, B.: Zur Physiologie der Aminbildung bei der marinen Rotalge *Polysiphonia urceolata*. [On the Physiology of Amine Formation in the Marine Red Alga *Polysiphonia urceolata*] **21**, 70 (1973)
Hartmann, W.D., see Randall, J.E. **1**, 216 (1968)
Hartwig, E.O.: Nutrient Cycling Between the Water Column and a Marine Sediment. I. Organic Carbon **34**, 285 (1976)
Hartwig, E.O.: Factors Affecting Respiration and Photosynthesis by the Benthic Community of a Subtidal Siliceous Sediment **46**, 283 (1978)
Hartwig, E.O., see Carlucci, A.F., et al. **7**, 161 (1970)
Hatcher, B.G.: An Apparatus for Measuring Photosynthesis and Respiration of Intact Large Marine Algae and Comparison of Results with Those from Experiments with Tissue Segments **43**, 381 (1977)
Hatcher, B.G., Chapman, A.R.O., Mann, K.H.: An Annual Carbon Budget for the Kelp *Laminaria longicruris* **44**, 85 (1977)
Hattori, A., see Seki, H., et al. **26**, 1 (1974)
Hattori, A., see Wada, E., et al. **29**, 119 (1975)
Haug, A., Myklestad, S.: Polysaccharides of Marine Diatoms with Special Reference to *Chaetoceros* Species **34**, 217 (1976)
Haury, L.R.: Small-Scale Pattern of a California Current Zooplankton Assemblage **37**, 137 (1976)
Haury, L.R.: A Comparison of Zooplankton Patterns in the California Current and North Pacific Central Gyre **37**, 159 (1976)
Haury, L.R., see Wiebe, P.H., et al. **53**, 249 (1979)
Hautekiet, W., see Heip, C., et al. **28**, 79 (1974)

Haven, D.S., see Zachary, A. **22,** 45 (1973)
Haven, N.: The Reproductive Biology of *Nautilus pompilius* in the Philippines **42,** 177 (1977)
Havsteen, B.: NADP$^+$ Isocitrate Dehydrogenase from *Idus idus* (Pisces). III. Discussion of Temperature Dependence of Kinetic Parameter **25,** 77 (1974)
Hayasaka, S.S., Morita, R.Y.: Salinity and Nutrient Effects on the Induction of the Galactose Permease System in a Psychrophilic Marine Vibrio **49,** 1 (1978)
Haythorn, J.M., see Withers, R.G., et al. **31,** 79 (1975)
Hayward, T.L.: Spatial and Temporal Feeding Patterns of Copepods from the North Pacific Central Gyre **58,** 295 (1980)
Haywood, G.P.: Hypo-Osmotic Regulation Coupled with Reduced Metabolic Urea in the Dogfish *Poroderma africanum:* An Analysis of Serum Osmolarity, Chloride, and Urea **23,** 121 (1973)
Haywood, G.P.: The Exchangeable Ionic Space, and Salinity Effects upon Ion, Water, and Urea Turnover Rates in the Dogfish *Poroderma africanum* **26,** 69 (1974)
Haywood, G.P.: Indications of Sodium, Chloride, and Water Exchange Across the Gills of the Striped Dogfish *Poroderma africanum* **29,** 267 (1975)
Heatwole, H.: Voluntary Submergence Times of Marine Snakes **32,** 205 (1975)
Hebling, N.J., see Narchi, W. **30,** 73 (1975)
Heck, K.L., Jr.: Community Structure and the Effects of Pollution in Sea-Grass Meadows and Adjacent Habitats **35,** 345 (1976)
Heck, K.L., Jr.: Comparative Species Richness, Composition, and Abundance of Invertebrates in Caribbean Seagrass *(Thalassia testudinum)* Meadows (Panamá) **41,** 335 (1977)
Heck, K.L., Jr., McCoy, E.D.: Long-Distance Dispersal and the Reef-Building Corals of the Eastern Pacific **48,** 349 (1978)
Heck, K.L., Jr., see Weinstein, M.P. **50,** 97 (1979)
Hecky, R.E., Mopper, K., Kilham, P., Degens, E.T.: The Amino Acid and Sugar Composition of Diatom Cell-Walls **19,** 323 (1973)
Hedgecock, D.: Biochemical Genetic Variation and Evidence of Speciation in Chthamalus Barnacles of the Tropical Eastern Pacific Ocean **54,** 207 (1979)
Heinbokel, J.F.: Studies on the Functional Role of Tintinnids in the Southern California Bight. I. Grazing and Growth Rates in Laboratory Cultures **47,** 177 (1978)
Heinbokel, J.F.: Studies on the Functional Role of Tintinnids in the Southern California Bight. II. Grazing Rates of Field Populations **47,** 191 (1978)
Heinbokel, J.F., Beers, J.R.: Studies on the Functional Role of Tintinnids in the Southern California Bight. III. Grazing Impact of Natural Assemblages **52,** 23 (1979)
Heinle, D.R., Flemer, D.A.: Carbon Requirements of a Population of the Estuarine Copepod *Eurytemora affinis* **31,** 235 (1975)
Heinle, D.R., Flemer, D.A.: Flows of Materials Between Poorly Flooded Tidal Marshes and an Estuary **35,** 359 (1976)
Heinle, D.R., Harris, R.P., Ustach, J.F., Flemer, D.A.: Detritus as Food for Estuarine Copepods **40,** 341 (1977)
Heinle, D.R., see Berman, M.S. **56,** 59 (1980)
Heinle, D.R., see Richman, S., et al. **42,** 69 (1977)
Heinle, D.R., see Allan, J.D., et al. **43,** 317 (1977)
Heinrich, A.K.: On the Near-Surface Plankton of the Eastern South Pacific Ocean **10,** 290 (1971)
Heinsohn, G.E., see Denton, G.R.W., et al. **57,** 201 (1980)
Heip, C.: The Reproductive Potential of Copepods in Brackish Water **12,** 219 (1972)
Heip, C., Smol, N.: Influence of Temperature on the Reproductive Potential of Two Brackish-Water Harpacticoids (Crustacea: Copepoda) **35,** 327 (1976)
Heip, C., Smol, N., Hautekiet, W.: A Rapid Method of Extracting Meiobenthic Nematodes and Copepods from Mud and Detritus **28,** 79 (1974)
Heip, C., Smol, N., Absillis, V.: Influence of Temperature on the Reproductive Potential of *Oncholaimus oxyuris* (Nematoda: Oncholaimidae) **45,** 255 (1978)
Heitzer, R.D., Ottow, J.C.G.: New Denitrifying Bacteria Isolated from Red Sea Sediments **37,** 1 (1976)
Hellebust, J.A., see Lewin, J. **36,** 313 (1976)
Hellebust, J.A., see Lewin, J. **47,** 1 (1978)
Helly, J.J., Jr.: The Effect of Temperature and Thermal Distribution on Glycolysis in Two Rockfish Species *(Sebastes)* **37,** 89 (1976)
Heltshe, J.F., see Zaroogian, G.E., et al. **52,** 189 (1979)
Hempel, G., Weikert, H.: The Neuston of the Subtropical and Boreal North-Eastern Atlantic Ocean. A Review **13,** 70 (1972)
Hempel, G., see Ali Khan, J. **28,** 311 (1974)
Henderson, R.J., Sargent, J.R.: Biosynthesis of Neutral Lipids by *Euchaeta norvegica* **56,** 1 (1980)
Henne, K., see Hofmann, D.K., et al. **47,** 161 (1978)
Hennekey, R.J., see Voyer, R.A., et al. **44,** 117 (1977)
Hentig, R. von: Einfluß von Salzgehalt und Temperatur auf Entwicklung, Wachstum, Fortpflanzung und Energiebilanz von *Artemia salina.* [Influence of Salinity and Temperature on the Development, Growth, Reproduction and Energy Budget of *Artemia salina*] **9,** 145 (1971)
Hentschel, G., see Dambach, M. **6,** 135 (1970)
Hentzschel, G., see Brockmann, U.H., et al. **36,** 135 (1976)
Herbert, T.L., see Walker, J.D., et al. **34,** 1 (1976)
Herberts, C.: Contribution à l'étude écologique de quelques zoanthaires tempérés et tropicaux. [Contribution to the Ecological Study of Some Temperate and Tropical Zoanthids] **13,** 127 (1972)
Herberts, C., see Emig, C.C., et al. **15,** 304 (1972)
Herbland, A., Pagès, J.: Note on the Variability of Heterotrophic Activity Measurements by the ^{14}C Method in Sea Water **35,** 211 (1976)
Herbland, A.M., Bois, J.F.: Assimilation et minéralisation de la matière organique dissoute dans la mer: méthode par comptage en scintillation liquide [Assimilation and Mineralization of the Dissolved Organic Matter in the Sea: Liquid Scintillation Counting Method] **24,** 203 (1974)
Heron, A.C.: A Dark-Field Condenser for Vieweing Transparent Plankton Animals Under a Low-Power Stereomicroscope **2,** 321 (1969)
Heron, A.C.: A New Type of Excretory Mechanism in the Tunicates **36,** 191 (1976)
Herring, P.J.: Observations on the Embryonic Development of Some Deep-Living Decapod Crustaceans, with Particular Reference to Species of *Acanthephyra* **25,** 25 (1974)
Herring, P.J.: Some Features of the Bioluminescence of the Radiolarian *Thalassicolla* sp. **53,** 213 (1979)
Herring, P.J., see Edwards, A.S. **41,** 59 (1977)
Hershberger, W.K., see Buroker, N.E., et al. **54,** 157 (1979)
Hershberger, W.K., see Buroker, N.E., et al. **54,** 171 (1979)
Hershner, C., Lake, J.: Effects of Chronic Oil Pollution on a Salt-Marsh Grass Community **56,** 163 (1980)
Herzberg, A., see Ben-Yami, M., et al. **6,** 312 (1970)
Heslinga, G.A.: Effects of Copper on the Coral-Reef Echinoid *Echinometra mathaei* **35,** 155 (1976)
Hessler, R.R., Thistle, D.: On the Place of Origin of Deep-Sea Isopods **32,** 155 (1975)
Hessler, R.R., see Shulenberger, E. **28,** 185 (1974)
Hetherington, W.M., III, see Reish, D.J. **2,** 137 (1969)
Hevert, F., see Schipp, R. **47,** 391 (1978)
Heyraud, M., Cherry, R.D.: Polonium-210 and Lead-210 in Marine Food Chains **52,** 227 (1979)
Heyraud, M., Fowler, S.W., Beasley, T.M., Cherry, R.D.: Polonium-210 in Euphausiids: A Detailed Study **34,** 127 (1976)
Heyraud, M., see Fowler, S.W., et al. **21,** 317 (1973)
Heyraud, M., see Fowler, S.W., et al. **30,** 297 (1975)
Heyraud, M., see Beasley, T.M., et al. **44,** 325 (1978)
Heyraud, M., see Fowler, S.W., et al. **46,** 267 (1978)
Hibbert, C.J.: Growth and Survivorship in a Tidal-Flat Population of the Bivalve *Mercenaria mercenaria* from Southampton Water **44,** 71 (1977)
Hibbert, C.J.: Energy Relations of the Bivalve *Mercenaria mercenaria* on an Intertidal Mudflat **44,** 77 (1977)
Hickel, W.: Seston Composition of the Bottom Waters of Great Lameshur Bay, St. John, US Virgin Islands **24,** 125 (1974)

Hickman, R.W.: Allometry and Growth of the Green-Lipped Mussel *Perna canaliculus* in New Zealand **51**, 311 (1979)
Hickman, R.W., Illingworth, J.: Condition Cycle of the Green-Lipped Mussel *Perna canaliculus* in New Zealand **60**, 27 (1980)
Hiegel, M.H., see Holland, A.F., et al. **57**, 221 (1980)
Higgins, H.W., see Smith, D.F., et al. **54**, 49 (1979)
Higgins, R.P., see Coull, B.C., et al. **39**, 233 (1977)
Higgo, J.J.W., see Beasley, T.M., et al. **44**, 325 (1978)
Highsmith, H.C.: Burrowing by the Bivalve Mollusc *Lithophaga curta* in the Living Reef Coral *Montipora berryi* and a Hypothesis of Reciprocal Larval Recruitment **56**, 155 (1980)
Hightower, G.M., see Anderson, J.W., et al. **27**, 75 (1974)
Hildreth, D.I.: Bioseston Production by *Mytilus edulis* and Its Effect in Experimental Systems **55**, 309 (1980)
Hill, B.J.: Salinity and Temperature Tolerance of Zoeae of the Portunid Crab *Scylla serrata* **25**, 21 (1974)
Hill, B.J.: Abundance, Breeding and Growth of the Crab *Scylla serrata* in Two South African Estuaries **32**, 119 (1975)
Hill, B.J.: Natural Food, Foregut Clearance-Rate and Activity of the Crab *Scylla serrata* **34**, 109 (1976)
Hill, B.J.: Activity, Track and Speed of Movement of the Crab *Scylla serrata* in an Estuary **47**, 135 (1978)
Hill, B.J.: Aspects of the Feeding Strategy of the Predatory Crab *Scylla serrata* **55**, 209 (1979)
Hill, B.J.: Effects of Temperature on Feeding and Activity in the Crab *Scylla serrata* **59**, 189 (1980)
Hill, B.J., Allanson, B.R.: Temperature Tolerance of the Estuarine Prawn *Upogebia africana* (Anomura, Crustacea) **11**, 337 (1971)
Hill, B.J,, see Blaber, S.J.M., et al. **28**, 333 (1974)
Himmelman, J.H.: Factors Regulating the Reproductive Cycles of Two Northeast Pacific Chitons, *Tonicella lineata* and *T. insignis* **50**, 215 (1979)
Himmelman, J.H., Steele, D.H.: Foods and Predators of the Green Sea Urchin *Strongylocentrotus droebachiensis* in Newfoundland Waters **9**, 315 (1971)
Hindley, J.P.R.: Effects of Endogenous and Some Exogenous Factors on the Activity of the Juvenile Banana Prawn *Penaeus merguiensis* **29**, 1 (1975)
Hindley, J.P.R., Alexander, C.G.: Structure and Function of the Chelate Pereiopods of the Banana Prawn *Penaeus merguiensis* **48**, 153 (1978)
Hindley, J.P.R., see Alexander, C.G., et al. **58**, 245 (1980)
Hines, A.H., see Pearse, J.S. **51**, 83 (1979)
Hipeau-Jacquotte, R.: Ethologie du stade infestant du copèode ascidicole Notodelphyidae *Pachypygus gibber*. I. Réactions à la lumière au cours de la vie larvaire pélagique. [Ethology of the Infective Stage of the Notodelphyidae Ascidicolid Copepod *Pachypygus gibber*. I. Phototropic Reactions During the Course of Pelagic Larval Life] **44**, 57 (1977)
Hirabayashi, T., see Makioka, A., et al. **48**, 261 (1978)
Hirano, R., see Hirayama, K. **7**, 205 (1970)
Hirata, H., Mori, Y., Watanabe, M.: Rearing of Prawn Larvae, *Penaeus japonicus*, Fed Soy-Cake Particles and Diatoms **29**, 9 (1975)
Hirayama, K., Hirano, R.: Influences of High Temperature and Residual Chlorine on Marine Phytoplankton **7**, 205 (1970)
Hirayama, K., see Chotiyaputta, C. **45**, 105 (1978)
Hiroki, K., see Theede, H., et al. **2**, 325 (1969)
Hirota, J., see Caperon, J., et al. **54**, 33 (1979)
Hirshfield, H.I., see Weaver, S.S. **34**, 273 (1976)
Hitchcock, G.L.: Influence of Temperature on the Growth Rate of *Skeletonema costatum* in Response to Variations in Daily Light Intensity **57**, 261 (1980)
Hitchcock, G.L.: Diel Variation in Chlorophyll *a*, Carbohydrate and Protein Content of the Marine Diatom *Skeletonema costatum* **57**, 271 (1980)
Hitchcock, W.S., see Eng-Wilmot, D.L., et al. **41**, 71 (1977)
Hoagland, K.E., Turner, R.D.: Range Extensions of Teredinids (Shipworms) and Polychaetes in the Vicinity of a Temperate-Zone Nuclear Generating Station **58**, 55 (1980)
Hobson, L.A., Menzel, D.W., Baber, R.T.: Primary Productivity and Sizes of Pools of Organic Carbon in the Mixed Layer of the Ocean **19**, 298 (1973)
Hochachka, P.W., Clayton-Hochachka, B.: Glucose 6 Phosphate Dehydrogenase and Thermal Acclimation in the Mullet Fish **18**, 251 (1973)
Hochachka, P.W., Schneider, D.E., Kuznetsov, A.: Interacting Pressure and Temperature Effects on Enzymes of Marine Poikilotherms: Catalytic and Regulatory Properties of FDPase from Deep and Shallow-Water Fishes **7**, 285 (1970)
Hochberg, F.G., Jr., see Young, R.E., et al. **53**, 69 (1979)
Hodge, V.F., see Cowen, J.P., et al. **37**, 239 (1976)
Hodgson, L.M.: Control of the Intertidal Distribution of *Gastroclonium coulteri* in Monterey Bay, California, USA **57**, 121 (1980)
Hodson, R.E., Holm-Hansen, O., Azam, F.: Improved Methodology for ATP Determination in Marine Environments **34**, 143 (1976)
Hoffmann, R.J., see Nicklas, N.L. **52**, 53 (1979)
Hofmann, D.K.: Nachweis der Epitokie als Fortpflanzungsmodus des Polychaeten *Eunice siciliensis*. [Proof of Epitoky as Mode of Reproduction of the Polychaete *Eunice siciliensis* (Polychaeta: Annelida)] **14**, 341 (1972)
Hofmann, D.K.: Maturation, Epitoky and Regeneration in the Polychaete *Eunice siciliensis* under Field and Laboratory Conditions **25**, 149 (1974)
Hofmann, D.K., Neumann, R., Henne, K.: Strobilation, Budding and Initiation of Scyphistoma Morphogenesis in the Rhizostome *Cassiopea andromeda* (Cnidaria: Scyphozoa) **47**, 161 (1978)
Hogarth, P.J.: Variation in the Carapace Pattern of Juvenile *Carcinus maenas* **44**, 337 (1978)
Hogue, E.W.: Spatial and Temporal Dynamics of a Subtidal Estuarine Gastrotrich Assemblage **49**, 211 (1978)
Holdich, D.M.: Changes in Physiology, Structure and Histochemistry Occurring During the Life-History of the Sexually Dimorphic Isopod *Dynamene bidentata* (Crustacea: Peracarida) **8**, 35 (1971)
Holdsworth, E.S., Colbeck, J.: The Pattern of Carbon Fixation in the Marine Unicellular Alga *Phaeodactylum tricornutum* **38**, 189 (1976)
Holl, A.: Feinstruktur des Riechepithels von *Chimaera monstrosa* (Holocephali). [Fine Structure of the Olfactory Epithelium of *Chimaera monstrosa* (Holocephali)] **23**, 59 (1973)
Holl, A., see Schulte, E. **12**, 67 (1972)
Holl, A., see Schulte, E., et al. **11**, 61 (1971)
Holland, A.F., Polgar, T.T.: Seasonal Changes in the Structure of an Intertidal Community **37**, 341 (1976)
Holland, A.F., Zingmark, R.G., Dean, J.M.: Quantitative Evidence Concerning the Stabilization of Sediments by Marine Benthic Diatoms **27**, 191 (1974)
Holland, A.F., Mountford, N.K., Hiegel, M.H., Kaumeyer, K.R., Mihursky, J.A.: Influence of Predation on Infaunal Abundance in Upper Chesapeake Bay, USA **57**, 221 (1980)
Holland, D.L., Tantanasiriwong, R., Hannant, P.J.: Biochemical Composition and Energy Reserves in the Larvae and Adults of the Four British Periwinkles *Littorina littorea*, *L. littoralis*, *L. saxatilis* and *L. neritoides* **33**, 235 (1975)
Holland, D.L., see Waldock, M.J. **46**, 163 (1978)
Holland, D.L., see Walker, G., et al. **33**, 161 (1975)
Holland, D.L., see Lucas, M.I., et al. **55**, 221 (1979)
Hollibaugh, J.T.: The Biological Degradation of Arginine and Glutamic Acid in Seawater in Relation to the Growth of Phytoplankton **36**, 303 (1976)
Hollibaugh, J.T.: Nitrogen Regeneration During the Degradation of Several Amino Acids by Plankton Communities Collected near Halifax, Nova Scotia, Canada **45**, 191 (1978)
Hollibaugh, J.T., Carruthers, A.B., Fuhrman, J.A., Azam, F.: Cycling of Organic Nitrogen in Marine Plankton Communities Studied in Enclosed Water Columns **59**, 15 (1980)
Hollibaugh, J.T., see King, K.R., et al. **56**, 49 (1980)

Holm-Hansen, O., Taylor, F.J.R., Bardate, R.J.: A Ciliate Red Tide at Barrow, Alaska **7**, 37 (1970)
Holm-Hansen, O., see Azam, F. **23**, 191 (1973)
Holm-Hansen, O., see Berman, T. **28**, 305 (1974)
Holm-Hansen, O., see Karl, D.M. **48**, 185 (1978)
Holm-Hansen, O., see Mague, T.H., et al. **24**, 109 (1974)
Holm-Hansen, O., see Hodson, R.E., et al. **34**, 143 (1976)
Holm-Hansen, O., see Williams, P.J. Le B., et al. **35**, 41 (1976)
Holm-Hansen, O., see Mague, T.H., et al. **41**, 213 (1977)
Holman, J.A.: The Ultrastructure and Activity of Sperm in *Acanthodoris pilosa*, a nudibranchiate Mollusk **12**, 179 (1972)
Holmes, R.W., see Harrison, P.J., et al. **43**, 19 (1977)
Honegger, H.-W.: Rhythmic Motor Activity Responses of the California Fiddler Crab *Uca crenulata* to Artificial Light Conditions **18**, 19 (1973)
Honegger, H.-W.: Rhythmic Activity Responses of the Fiddler Crab *Uca crenulata* to Artificial Tides and Artificial Light **21**, 196 (1973)
Honegger, H.-W., see Brown, D.M. **45**, 93 (1978)
Honjo, S., see Okada, H. **31**, 271 (1975)
Honn, K.V., Chavin, W.: Prototype Design for a Closed Marine System Employing Quarternary Water Processing **31**, 293 (1975)
Honn, K.V., Chavin, W.: Utility of Ozone Treatment in the Maintenance of Water Quality in a Closed Marine System **34**, 201 (1976)
Honn, K.V., Glezman, G.M., Chavin, W.: A High Capacity Ozone Generator for Use in Aquaculture and Water Processing **34**, 211 (1976)
Hope, W.D., see Coull, B.C., et al. **39**, 233 (1977)
Hopkins, T.L., Baird, R.C.: Diet of the Hatchetfish *Sternoptyx diaphana* **21**, 34 (1973)
Hoppe, H.-G.: Determination and Properties of Actively Metabolizing Heterotrophic Bacteria in the Sea, Investigated by Means of Micro-Autoradiography **36**, 291 (1976)
Hoppe, H.-G., see Iturriaga, R. **40**, 101 (1977)
Hopper, B.E., Free-Living Marine Nematodes from Biscayne Bay, Florida, I. Comesomatidae: The Male of *Laimella longicauda* Cobb, 1920, and Description of *Actarjania* New Genus **1**, 140 (1967)
Hopper, B.E.: Free-Living Marine Nematodes from Biscayne Bay, Florida, II. Oncholaimidae: Descriptions of Five New Species and One New Genus *(Meyersia)* **1**, 145 (1967)
Hopper, B.E., Meyers, S.P.: Population Studies on Benthic Nematodes Within a Subtropical Seagrass Community **1**, 85 (1967)
Hopper, B.E., Fell, J.W., Cefalu, R.C.: Effect of Temperature on Life Cycles of Nematodes Associated with the Mangrove *(Rhizophora mangle)* Detrital System **23**, 293 (1973)
Hopper, B.E., see Meyers, S.P., et al. **6**, 43 (1970)
Hopper, C.N., see Hadfield, M.G. **57**, 315 (1980)
Horn, M.H., Grimes, P.W., Phleger, C.F., McClanahan, L.L.: Buoyancy Function of the Enlarged Fluid-Filled Cranium in the Deep-Sea Ophidiid Fish *Acanthonus armatus* **46**, 335 (1978)
Horst, D.J. van der, Oudejans, R.C.H.M., Plug, A.G., Sluis, I. van der: Fatty Acids of the Female Horseshoe Crab *Xiphosura (Limulus) polyphemus* **20**, 291 (1973)
Horton, D., see Hulburt, E.M. **23**, 35 (1973)
Hosumbek, P., see Brockmann, U.H., et al. **43**, 1 (1977)
Hottinger, L., Dreher, D.: Differentiation of Protoplasm in Nummulitidae (Foraminifera) from Elat, Red Sea **25**, 41 (1974)
Houde, E.D.: Effects of Temperature and Delayed Feeding on Growth and Survival of Larvae of Three Species of Subtropical Marine Fishes **26**, 271 (1974)
Houde, E.D.: Food Concentration and Stocking Density Effects on Survival and Growth of Laboratory-Reared Larvae of Bay Anchovy *Anchoa mitchilli* and Lined Sole *Achirus lineatus* **43**, 333 (1977)
Houde, E.D., Palko, B.J.: Laboratory Rearing of the Clupeid Fish *Harengula pensacolae* from Fertilized Eggs **5**, 354 (1970)
Houde, E.D., see Detwyler, R. **7**, 214 (1970)
Houvenaghel, G.T., Houvenaghel, N.: Aspects écologiques de la zonation intertidale sur les côtes rocheuses des îles Galapagos. [Ecological Aspects of the Intertidal Zonation on the Rocky Shores of the Galapagos Islands] **26**, 135 (1974)
Houvenaghel, N., see Houvenaghel, G.T. **26**, 135 (1974)
Howard, F.G., see Chapman, C.J. **51**, 157 (1979)
Howard, K.L., see Ramus, J., et al. **37**, 223 (1976)
Howard, R.K., see Robertson, A.I. **48**, 207 (1978)
Howes, B.L., see Ward, D.V., et al. **35**, 119 (1976)
Howey, T.W., see Stickle, W.B. **33**, 309 (1975)
Hoyt, B., see Chapman, A.R.O., et al. **38**, 91 (1976)
Hoyt, J.W.: High Molecular Weight Algal Substances in the Sea **7**, 93 (1970)
Hrs-Brenko, M., Claus, C., Bubić, S.: Synergistic Effects of Lead, Salinity and Temperature on Embryonic Development of the Mussel *Mytilus galloprovincialis* **44**, 109 (1977)
Hruby, T., see Lewin, J., et al. **51**, 259 (1979)
Huang, N., see Riedl, R.J., et al. **13**, 210 (1972)
Hühnerfuß, H., see Brockmann, U.H., et al. **36**, 135 (1976)
Hündgen, M.: The Biology of Colonial Hydroids. I. The Morphology of the Polyp of *Eirene viridula* (Thecata: Campanulinidae) **45**, 79 (1978)
Hündgen, M., see Germer, T. **50**, 81 (1978)
Huff, R., see Richman, S., et al. **42**, 69 (1977)
Huff, R., see Allan, J.D., et al. **43**, 317 (1977)
Hughes, D.A., Richard, J.D.: The Nesting of the Pacific Ridley Turtle *Lepidochelys olivacea* on Playa Nancite, Costa Rica **24**, 97 (1974)
Hughes, D.A., see Richard, J.D. **16**, 297 (1972)
Hughes, R.N.: Notes on the *Nerita* (Archaeogastropoda) Populations of Aldabra Atoll, Indian Ocean **9**, 290 (1971)
Hughes, R.N.: Ecological Energetics of *Nerita* (Archaeogastropoda, Neritacea) Populations on Barbados, West Indies **11**, 12 (1971)
Hughes, R.N., Thomas, M.L.H.: Classification and Ordination of Benthic Samples from Bedeque Bay, an Estuary in Prince Edward Island, Canada **10**, 227 (1971)
Hughes, R.N., see Roberts, D.J. **58**, 47 (1980)
Hulbert, W.C., Schneider, D.E., Moon, T.W.: Temperature and Salinity Adaptation in the Purple Shore Crab *Hemigrapsus nudus:* An *in vitro* Physiological Study with Excised Gills **36**, 217 (1976)
Hulbert, W.C., Schneider, D.E., Moon, T.W.: Temperature and Salinity Adaptation in the Purple Shore Crab *Hemigrapsus nudus:* An *in vitro* Metabolic Flux Study with Excised Gills **36**, 223 (1976)
Hulburt, E.M.: Russel's Definite Description Analysis of Production and Limitation of Phytoplankton Species **52**, 321 (1979)
Hulburt, E.M., Horton, D.: Minimum Interference Between Plankton Species and Its Beneficial Effect **23**, 35 (1973)
Hulings, N.C., Gray, J.S.: Physical Factors Controlling Abundance of Meiofauna on Tidal and Atidal Beaches **34**, 77 (1976)
Hulsemann, K., see Fleminger, A. **40**, 233 (1977)
Hummon, W.D.: Dispersion of Gastrotricha in a Marine Beach of the San Juan Archipelago, Washington **16**, 349 (1972)
Hummon, W.D., see Coull, B.C., et al. **39**, 233 (1977)
Hunter, V.D., see Bloom, S.A., et al. **13**, 43 (1972)
Hure, J., Scotto di Carlo, B.: New Patterns of Diurnal Vertical Migration of Some Deep-Water Copepods in the Tyrrhenian and Adriatic Seas **28**, 179 (1974)
Hurka, H.: Factors Influencing the Gas Composition in the Vesicles of *Sargasum* **11**, 82 (1971)
Huschenbeth, E., see Drescher, H.E., et al. **41**, 99 (1977)
Hutchings, P.A.: Gametogenesis in a Northumberland Population of the Polychaete *Melinna cristata* **18**, 199 (1973)
Hutchings, P.A.: Age Structure and Spawning of a Northumberland Population of *Melinna cristata* (Polychaeta: Ampharetidae) **18**, 218 (1973)
Hylleberg, J., Gallucci, V.F.: Selectivity in Feeding by the Deposit-Feeding Bivalve *Macoma nasuta* **32**, 167 (1975)

Hylleberg Kristensen, J.: Carbohydrases of Some Marine Invertebrates with Notes on Their Food and on the Natural Occurrence of the Carbohydrates Studied **14**, 130 (1972)

I

Ibanez, F., Dallot, S.: Etude du cycle annuel des Chaetognathes planctoniques de la rade de Villefrance par la méthode d'analyse des composantes principales. [Study of the Annual Cycle of Planktonic Chaetognaths in Villefrance Bay, by the Method of Principal Component Analysis] **3**, 11 (1969)
Icely, J.D., Nott, J.A.: Accumulation of Copper Within the „Hepatopancreatic" Caeca of *Corophium volutator* (Crustacea: Amphipoda) **57**, 193 (1980)
Ichikawa, T., Nishizawa, S.: Particulate Organic Carbon and Nitrogen in the Eastern Pacific Ocean **29**, 129 (1975)
Ichimura, S., see Takahashi, M. **11**, 206 (1971)
Ignatiades, L.: Annual Cycle, Species Diversity and Succession of Phytoplankton in Lower Saronicos Bay, Aegean Sea **3**, 196 (1969)
Ignatiades, L.: The Influence of Water Stability on the Vertical Structure of a Phytoplankton Community **52**, 97 (1979)
Iizuka, S., see Saijo, Y., et al. **4**, 190 (1969)
Ikeda, T.: The Effect of Laboratory Conditions on the Extrapolation of Experimental Measurements to the Ecology of Marine Zooplankton. IV. Changes in Respiration and Excretion Rates of Boreal Zooplankton Species Maintained Under Fed and Starved Conditions **41**, 241 (1977)
Ikeda, T., Skjoldal, H.R.: The Effect of Laboratory Conditions on the Extrapolation of Experimental Measurements to the Ecology of Marine Zooplankton. VI. Changes in Physiological Activies and Biochemical Components of *Acetes sibogae australis* and *Acartia australis* After Capture **58**, 285 (1980)
Illingworth, J., see Hickman, R.W. **60**, 27 (1980)
Imayama, Y., see Tanaka, H., et al. **1**, 204 (1968)
Imayama, Y., see Tanaka, H., et al. **2**, 297 (1969)
Imhoff, J.-M., see Michel, C. **32**, 343 (1975)
Incze, L.S., Lutz, R.A., Watling, L.: Relationships Between Effects of Environmental Temperature and Seston on Growth and Mortality of *Mytilus edulis* in a Temperate Northern Estuary **57**, 147 (1980)
Indrebø, G., Pengerud, B., Dundas, I.: Microbial Activities in a Permanently Stratified Estuary. I. Primary Production and Sulfate Reduction **51**, 295 (1979)
Indrebø, G., Pengerud, B., Dundas, I.: Microbial Activities in a Permanently Stratified Estuary. II. Microbial Activities at the Oxic-Anoxic Interface **51**, 305 (1979)
Isaacs, J.D.: Potential Trophic Biomasses and Trace-Substance Concentrations in Unstructured Marine Food Webs **22**, 97 (1973)
Ishimaru, T., see Mauchline, J., et al. **43**, 149 (1977)
Iturriaga, R.: Bacterial Activity Related to Sedimenting Particulate Matter **55**, 157 (1979)
Iturriaga, R., Hoppe, H.-G.: Observations of Heterotrophic Activity on Photoassimilated Organic Matter **40**, 101 (1977)
Ivanenko, V.V., see Saenko, G.N., et al. **47**, 243 (1978)
Ivanov, B.G.: On the Biology of the Antarctic Krill *Euphausia superba* **7**, 340 (1970)
Ivanov, B.G., see Orlov, Yu. I. **48**, 373 (1978)
Ivanovici, A.M., see Rainer, S.F., et al. **54**, 91 (1979)
Iverson, R.L., Curl, H.C., Jr., Saugen, J.L.: Simulation Model for Wind-Driven Summer Phytoplankton Dynamics in Auke Bay, Alaska **28**, 169 (1974)
Iverson, R.L., see Bittaker, H.F. **37**, 39 (1976)

J

Jablonski, D., see Lutz, R.A., et al. **57**, 127 (1980)
Jaccarini, V., see Schembri, P.J. **47**, 55 (1978)
Jackim, E., Morrison, G., Steele, R.: Effects of Environmental Factors on Radiocadmium Uptake by Four Species of Marine Bivalves **40**, 303 (1977)
Jackim, E., see Morrison, G., et al. **40**, 51 (1977)
Jackson, J.B.C.: The Ecology of the Molluscs of *Thalassia* Communities, Jamaica, West Indies. II. Molluscan Population Variability Along an Environmental Stress Gradient **14**, 304 (1972)
Jacobs, S.A., see Martin, J.H., et al. **35**, 91 (1976)
Jacques, G., Minas, H.J., Minas, M., Nival, P.: Influence des conditions hivernales sur les productions phyto- et zooplanctoniques en Méditerranée Nord-Occidentale. II. Biomasse et production phytoplanctonique. [Influence of Winter Conditions on Phyto- and Zooplankton Production in the Northwestern Mediterrancan. II. Biomass and Phytoplankton Production] **23**, 251 (1973)
Jacques, G., see Cahet, G., et al. **14**, 32 (1972)
Jacques, T.G., Pilson, M.E.Q.: Experimental Ecology of the Temperature Scleractinian Coral *Astrangia danae*. I. Partition of Respiration, Photosynthesis and Calcification Between Host and Symbionts **60**, 167 (1980)
James, P.S.B.R.: An Osteological Study of the Dugong *Dugong dugon* (Sirenia) from India **27**, 173 (1974)
James, P.T.: Distribution of Dimorphic Males of Three Species of *Nematoscelis* (Euphausiacea) **19**, 341 (1973)
Jangoux, M., Perpeet, C., Cornet, D.: Contribution à l'étude des poches stomacales d'*Asterias rubens* (Echinodermata: Asteroïdea). [Contribution to the Study of the Stomachal Pockets of *Asterias rubens* (Echinodermata: Asteroïdea)] **15**, 329 (1972)
Jankowsky, H.D., Laudien, H., Precht, H.: Ist eine intrazelluläre Eisbildung bei Tieren tödlich? Versuche mit Polypen der Gattung *Laomedea*. [Is an Intracellular Ice Formation in Animals Lethal? – Experiments with Polyps of the Genus *Laomedea*] **3**, 73 (1969)
Jannasch, H.W., see Tuttle, J.H. **20**, 64 (1973)
Jannash, H.W., see Wirsen, C.O. **31**, 201 (1975)
Jansen, K.P.: Ecological Studies on Intertidal New Zealand Sphaeromatidae (Isopoda: Flabellifera) **11**, 262 (1971)
Janssen, H.H., Scholz, N.: Uptake and Cellular Distribution of Cadmium in *Mytilus edulis* **55**, 133 (1979)
Jansson, B.O., see Ankar, S. **18**, 9 (1973)
Jarvis, J.H., King, P.E.: Reproduction and Development in the Pycnogonid *Pycnogonum littorale* **13**, 146 (1972)
Jarvis, J.H., King, P.E.: Egg Development and the Reproductive Cycle in the Pycnogonid *Endeis laevis* **33**, 331 (1975)
Jarvis, J.H., see King, P.E. **7**, 294 (1970)
Jawed, M.: Effects of Environmental Factors and Body Size on Rates of Oxygen Consumption in *Archaeomysis grebnitzkii* and *Neomysis awatschensis* (Crustacea: Mysidae) **21**, 173 (1973)
Jawed, M.: Ammonia Excretion by Zooplankton and Its Significance to Primary Productivity During Summer **23**, 115 (1973)
Jebram, D.: Dauerknospen („Hibernacula") bei den Bryozoa Ctenostomata in mesohalinen und vollmarinen Gewässern. [Resting Buds ("Hibernacula") of Bryozoa Ctenostomata in Mesohaline and Marine Waters] **31**, 129 (1975)
Jeffrey, S.W.: Profiles of Photosynthetic Pigments in the Ocean Using Thin-Layer Chromatography **26**, 101 (1974)
Jeffrey, S.W.: A Report of Green Algal Pigments in the Central North Pacific Ocean **37**, 33 (1976)
Jelisavčić, O., see Lucu, Č., et al. **2**, 103 (1969)
Jelisavčić, O., see Lucu, Č., et al. **5**, 294 (1970)
Jennings, C.D.: ^{55}Fe in Pacific Ocean Plankton **44**, 223 (1977)
Jennings, C.D., Fowler, S.W.: Uptake of ^{55}Fe from Contaminated Sediments by the Polychaete *Nereis diversicolor*. **56**, 277 (1980)
Jennings, J.R., Rainbow, P.S.: Studies on the Uptake of Cadmium by the Crab *Carcinus maenas* in the Laboratory. I. Accumulation from Seawater and a Food Source **50**, 131 (1979)
Jennings, J.R., Rainbow, P.S.: Accumulation of Cadmium by *Artemia salina* **51**, 47 (1979)
Jennings, J.R., Rainbow, P.S., Scott, A.G.: Studies on the Uptake of Cadmium by the Crab *Carcinus maenas* in the Laboratory.

II. Preliminary Investigation of Cadmium-Binding Proteins **50**, 141 (1979)
Jephson, N.A., see Withers, R.G., et al. **31**, 79 (1975)
Jézéquel, M., see Alayse-Danet, A.M., et al. **51**, 41 (1979)
Jiang, L.C., see Gilfillan, E.S., et al. **37**, 115 (1976)
Jitts, H.R., see Scott, B.D. **41**, 307 (1977)
Job, S.V.: The Respiratory Metabolism of *Tilapia mossambica* (Teleostei). I. The Effect of Size, Temperature and Salinity **2**, 121 (1969)
Job, S.V.: The Respiratory Metabolism of *Tilapia mossambica* (Teleostei). II. The Effect of Size, Temperature, Salinity and Partial Pressure of Oxygen **3**, 222 (1969)
Jobbins, D.M., see Shisler, J.K. **40**, 127 (1977)
Jørgensen, B.B.: Bacterial Sulfate Reduction Within Reduced Microniches of Oxidized Marine Sediments **41**, 7 (1977)
Jørgensen, B.B.: Distribution of Colorless Sulfur Bacteria (*Beggiatoa* spp.) in a Coastal Marine Sediment **41**, 19 (1977)
Jørgensen, B.B., Fenchel, T.: The Sulfur Cycle of a Marine Sediment Model System **24**, 189 (1974)
Jørgensen, G., see Granmo, Å. **33**, 17 (1975)
Jørgensen, N.O.G.: Uptake of L-Valine and Other Amino Acids by the Polychaete *Nereis virens* **52**, 45 (1979)
Johansen, H.W., see Colthart, B.J. **18**, 46 (1973)
John, D.M.: The Distribution and Net Productivity of Sublittoral Populations of Attached Macrophytic Algae in an Estuary on the Atlantic Coast of Spain **11**, 90 (1971)
John, D.M., Asare, S.O.: A Preliminary Study of the Variations in Yield and Properties of Phycocolloids from Ghanaian Seaweeds **30**, 325 (1975)
John, P.A., see Thampy, D.M. **12**, 285 (1972)
Johns, D.M., Pechenik, J.A.: Influence of the Water-Accommodated Fraction of No. 2 Fuel Oil on Energetics of *Cancer irroratus* Larvae **55**, 247 (1980)
Johnson, C.C., see Sick, L.V., et al. **54**, 293 (1979)
Johnson, K.M., see Moebus, K. **26**, 117 (1974)
Johnson, K.M., see Moebus, K., et al. **26**, 127 (1974)
Johnson, M.F.: Studies on the Reproductive Cycles of the Calcareous Sponges *Clathrina coriacea* and *C. blanca* **50**, 73 (1978)
Johnson, M.S.: Association of Allozymes and Temperature in the Crested Blenny *Anoplarchus purpurescens* **41**, 147 (1977)
Johnson, M.S., see Black, R. **53**, 27 (1979)
Johnson, P., see Vargo, G.A., et al. **31**, 113 (1975)
Johnson, W.S.: Biology and Population Dynamics of the Intertidal Isopod *Cirolana harfordi* **36**, 343 (1976)
Johnson, W.S.: Population Energetics of the Intertidal Isopod *Cirolana harfordi* **36**, 351 (1976)
Johnston, I.A., Goldspink, G.: Some Effects of Prolonged Starvation on the Metabolism of the Red and White Myotomal Muscles of the Plaice *Pleuronectes platessa* **19**, 348 (1973)
Johnstone, A.D.F., see Chapman, C.J., et al. **27**, 357 (1974)
Jokiel, P.L., Coles, S.L.: Effects of Temperature on the Mortality and Growth of Hawaiian Reef Corals **43**, 201 (1977)
Jokiel, P.L., see Coles, S.L. **43**, 209 (1977)
Jokiel, P.L., see Coles, S.L. **49**, 187 (1978)
Joll, L.M.: Mating, Egg-Laying and Hatching of *Octopus tetricus* (Mollusca: Cephalopoda) in the Laboratory **36**, 327 (1976)
Jones, A.M., see Baxter, J.M. **46**, 305 (1978)
Jones, B.M., see Alldredge, A.L. **22**, 131 (1973)
Jones, D.A., Babbage, P.C., King, P.E.: Studies on Digestion and the Fine Structure of Digestive Caeca in *Eurydice pulchra* (Crustacea: Isopoda) **2**, 311 (1969)
Jones, D.A., Kanazawa, A., Ono, K.: Studies on the Nutritional Requirements of the Larval Stages of *Penaeus japonicus* Using Microencapsulated Diets **54**, 261 (1979)
Jones, D.J.: Variation in the Trophic Structure and Species Composition of Some Invertebrate Communities in Polluted Kelp Forests in the North Sea **20**, 351 (1973)
Jones, D.S., Thompson, I., Ambrose, W.: Age and Growth Rate Determinations for the Atlantic Surf Clam *Spisula solidissima* (Bivalvia: Mactracea), Based on Internal Growth Lines in Shell Cross-Sections **47**, 63 (1978)
Jones, D.S., see Thompson, I., et al. **57**, 25 (1980)
Jones, D.S., see Thompson, I., et al. **57**, 35 (1980)
Jones, E.B.G., Moss, S.T.: Ascospore Appendages of Marine Ascomycetes: An Evaluation of Appendages as Taxonomic Criteria **49**, 11 (1978)
Jones, E.B.G., see Alderman, D.J., et al. **25**, 345 (1974)
Jones, G.P., Thompson, S.M.: Social Inhibition of Maturation in Females of the Temperate Wrasse *Pseudolabrus celidotus* and a Comparison with the Blennioid *Tripterygion varium* **59**, 247 (1980)
Jones, M.B.: The Mouthparts of the Members of the *Jaera albifrons* Group of Species (Crustacea: Isopoda) **14**, 264 (1972)
Jones, M.B.: Synergistic Effects of Salinity, Temperature and Heavy Metals on Mortality and Osmoregulation in Marine and Estuarine Isopods (Crustacea) **30**, 13 (1975)
Jones, M.B., Fordy, M.R.: A Stereoscan Electron Microscope Study of Male Reproductive Characters in the *Jaera albifrons* Group of Species (Crustacea: Isopoda) **10**, 265 (1971)
Jones, M.L., Dawson, C.E.: Salinity-Temperature Profiles in the Panama Canal Locks **21**, 86 (1973)
Jones, M.L., Rützler, K.: Invertebrates of the Upper Chamber, Gatun Locks, Panama Canal, with Emphasis on *Trochospongilla leidii* (Porifera) **33**, 57 (1975)
Jones, R.F., see Brinkhuis, B.H. **27**, 137 (1974)
Jones, R.F., see Brinkhuis, B.H. **34**, 339 (1976)
Jones, R.F., see Brinkhuis, B.H., et al. **34**, 349 (1976)
Jones, S.G., see Alexander, C.G., et al. **58**, 245 (1980)
Jonge, V.N. de: Quantitative Separation of Benthic Diatoms from Sediments Using Density Gradient Centrifugation in the Colloidal Silica Ludox-TM **51**, 267 (1979)
Jonge, V.N. de, Bouwman, L.A.: A Simple Density Separation Technique for Quantitative Isolation of Meiobenthos Using the Colloidal Silica Ludox-TM **42**, 143 (1977)
Jordan, A.J., Vadas, R.L.: Influence of Environmental Parameters on Intraspecific Variation in *Fucus vesiculosus* **14**, 248 (1972)
Josefsson, L., see Fernlund, P. **2**, 19 (1968)
Jost, P., see Ribi, G. **45**, 249 (1978)
Joyce, J.E., see Price, C.A., et al. **42**, 225 (1977)
Juengst, F.W., Jr., Alexander, M.: Effect of Environmental Conditions on the Degradation of DDT in Model Marine Ecosystems **33**, 1 (1975)
Jumao-as, M.D.B., Westernhagen, H. von: Vertical Distribution of Epiplanktonic Chaetognaths in the Upper 100 m of the Hilutangan Channel, Cebu, The Philippines **29**, 201 (1975)
Jumars, P.A.: Methods for Measurement of Community Structure in Deep-Sea Macrobenthos **30**, 245 (1975)
Jumars, P.A.: Environmental Grain and Polychaete Species' Diversity in a Bathyal Benthic Community **30**, 253 (1975)
Jumars, P.A., see Feller, R.J., et al. **54**, 61 (1979)
Junge, H.D., see Brockmann, U.H., et al. **24**, 163 (1974)
Junge, H.D., see Brockmann, U.H., et al. **36**, 135 (1976)
Junge, H.D., see Brockmann, U.H., et al. **43**, 1 (1977)

K

Kähler, H.H.: Über den Einfluß der Adaptationstemperatur und des Salzgehaltes auf die Hitze- und Gefrierresistenz von *Enchytraeus albidus* (Oligochaeta). [On the Influence of Adaptation Temperature and Salinity on Heat and Cold Resistance of *Enchytraeus albidus* (Oligochaeta)] **5**, 315 (1970)
Kafri, J., see Lawrence, J.M. **52**, 87 (1979)
Kahan, D., see Betouhim-El, T. **16**, 201 (1972)
Kaiser, W., Postel, L.: Importance of the Vertical Nutrient Flux for Biological Production in the Equatorial Undercurrent Region at 30°W **55**, 23 (1979)
Kamada, K., see Nemoto, T., et al. **14**, 41 (1972)
Kamada, K., see Nemoto, T., et al. **36**, 151 (1976)

Kamatani, A.: Physical and Chemical Characteristics of Biogenous Silica **8**, 89 (1971)

Kamatani, A., Riley, J.P.: Rate of Dissolution of Diatom Silica Walls in Seawater **55**, 29 (1979)

Kamigaki, M., see Kasahara, S., et al. **31**, 31 (1975)

Kamykowski, D.: The Growth Response of a Model *Gymnodinium splendens* in Stationary and Wavy Water Columns **50**, 289 (1979)

Kanayama, Y.: Studies of the Conditioned Reflex in Lower Vertebrates. X. Defensive Conditioned Reflex of Chum Salmon Fry in Group **2**, 77 (1968)

Kanazawa, A., Teshima, S., Ando, T., Tomita, S.: Sterols in Coral-Reef Animals **34**, 53 (1976)

Kanazawa, A., see Guary, M.M., et al. **32**, 349 (1975)

Kanazawa, A., see Teshima, S., et al. **39**, 129 (1977)

Kanazawa, A., see Ando, T., et al. **50**, 169 (1979)

Kanazawa, A., see Jones, D.A., et al. **54**, 261 (1979)

Kaneko, K., see Nagai, Y. **29**, 105 (1975)

Kapkov, V.I., see Berland, B.R., et al. **42**, 17 (1977)

Kaplan, E.H., Welker, J.R., Kraus, M.G., McCourt, S.: Some Factors Affecting the Colonization of a Dredged Channel **32**, 193 (1975)

Karayeva, N.I., Makarova, I.V.: Specific Features and Origin of the Caspian Sea Diatom Flora **21**, 269 (1973)

Karbe, L.: Marine Hydroiden als Testorganismen zur Prüfung der Toxizität von Abwasserstoffen. Die Wirkung von Schwermetallen auf Kolonien von *Eirene viridula*. [Marine Hydroids as Test Organisms for Assessing the Toxicity of Water Pollutants. The Effect of Heavy Metals on Colonies of *Eirene viridula*] **12**, 316 (1972)

Karl, D.M., Holm-Hansen, O.: Methodology and Measurement of Adenylate Energy Charge Ratios in Environmental Samples **48**, 185 (1978)

Karol, R., Litchfield, C., Caldwell, D.K., Caldwell, M.C.: Compositional Topography of Melon and Spermaceti Organ Lipids in the Pygmy Sperm Whale *Kogia breviceps:* Implications for Echolocation **47**, 115 (1978)

Karol, R., see Litchfield, C., et al. **23**, 165 (1973)

Karol, R., see Litchfield, C., et al. **52**, 285 (1979)

Karplus, I., Szlep, R., Tsurnamal, M.: Associative Behavior of the Fish *Cryptocentrus cryptocentrus* (Gobiidae) and the Pistol Shrimp *Alpheus djiboutensis* (Alpheidae) in Artifical Burrows **15**, 95 (1972)

Karplus, I., Tsurnamal, M., Szlep, R.: Analysis of the Mutual Attraction in the Association of the Fish *Cryptocentrus cryptocentrus* (Gobiidae) and the Shrimp *Alpheus djiboutenis* (Alpheidae) **17**, 275 (1972)

Karplus, I., Szlep, R., Tsurnamal, M.: The Burrows of Alpheid Shrimp Associated with Gobiid Fish in the Northern Red Sea **24**, 259 (1974)

Kasahara, S., Uye, S.: Calanoid Copepod Eggs in Sea-Bottom Muds. V. Seasonal Changes in Hatching of Subitaneous and Diapause Eggs of *Tortanus forcipatus* **55**, 63 (1979)

Kasahara, S., Uye, S., Onbé, T.: Calanoid Copepod Eggs in Sea-Bottom Muds **26**, 167 (1974)

Kasahara, S., Uye, S., Onbé, T.: Calanoid Copepod Eggs in Sea-Bottom Muds. II. Seasonal Cycles of Abundance in the Populations of Several Species of Copepods and Their Eggs in the Inland Sea of Japan **31**, 25 (1975)

Kasahara, S., Onbé, T., Kamigaki, M.: Calanoid Copepod Eggs in Sea-Bottom Muds. III. Effects of Temperature, Salinity and Other Factors on the Hatching of Resting Eggs of *Tortanus forcipatus* **31**, 31 (1975)

Kasahara, S., see Uye, S., et al. **51**, 151 (1979)

Kasai, H., see Tanaka, H., et al. **2**, 297 (1969)

Kashman, Y., Loya, Y., Bodner, M., Groweiss, A., Benayahu, Y., Naveh, N.: Gas-Liquid Chromatograms of Sesquiterpenes as Finger Prints for Soft-Coral Identification **55**, 255 (1980)

Kashman, Y., see Nèeman, I., et al. **30**, 293 (1975)

Kathuria, J.: Development of Cell Types in the Pituitary of *Anguilla anguilla, Pleuronectes platessa* and *Limanda limanda* **12**, 103 (1972)

Katre, S., see Pandian, T.J. **13**, 330 (1972)

Katti, R.J., see Menon, N.R., et al. **41**, 127 (1977)

Kattner, G., see Brockmann, U.H., et al. **36**, 135 (1976)

Kaumeyer, K.R., see Holland, A.F., et al. **57**, 221 (1980)

Kawamura, T., see Motoda, S., et al. **46**, 93 (1978)

Kay, E.A., see Hadfield, M.G., et al. **12**, 81 (1972)

Kayama, M., Nevenzel, J.C.: Wax Ester Biosynthesis by Midwater Marine Animals **24**, 279 (1974)

Kayama, M., see Guary, J.C., et al. **29**, 335 (1975)

Kayser, H.: Waste-Water Assay with Continuous Algal Cultures: The Effect of Mercuric Acetate on the Growth of Some Marine Dinoflagellates **36**, 61 (1976)

Kayser, H.: Growth Interactions Between Marine Dinoflagellates in Multispecies Culture Experiments **52**, 357 (1979)

Kečkeš, S., Fowler, S.W., Small, L.F.: Flux of Different Forms of ^{106}Ru Through a Marine Zooplankter **13**, 94 (1972)

Kečkeš, S., see Krajnović, M. **1**, 134 (1967)

Kečkeš, S., see Fowler, S.W., et al. **11**, 45 (1971)

Kell, V., see Gosselck, F., et al. **46**, 175 (1978)

Kempf, M.: Notes on the Benthic Bionomy of the N-NE Brazilian Shelf **5**, 213 (1970)

Kennedy, V.S.: Desiccation, Higher Temperatures and Upper Intertidal Limits of Three Species of Sea Mussels (Mollusca: Bivalvia) in New Zealand **35**, 127 (1976)

Kennedy, V.S., Roosenburg, W.H., Zion, H.H., Castagna, M.: Temperature-Time Relationships for Survival of Embryos and Larvae of *Mulinia lateralis* (Mollusca: Bivalvia) **24**, 137 (1974)

Kenner, R.A., Ahmed, S.I.: Measurements of Electron Transport Activities in Marine Phytoplankton **33**, 119 (1975)

Kenner, R.A., Ahmed, S.I.: Correlation Between Oxygen Utilization and Electron Transport Activity in Marine Phytoplankton **33**, 129 (1975)

Kenner, R.A., see Ahmed, S.I., et al. **39**, 93 (1977)

Kenny, G.E., see Feller, R.J., et al. **54**, 61 (1979)

Kenny, R.: Temperature Tolerance of the Polychaete Worms *Diopatra cuprea* and *Clymenella torquata* **4**, 219 (1969)

Kenny, R.: Growth Studies of the Tropical Intertidal Limpet *Acmaea antillarum* **39**, 161 (1977)

Keough, M.J., Butler, A.J.: The Role of Asteroid Predators in the Organization of a Sessile Community on Pier Pilings **51**, 167 (1979)

Kepkay, P.E., Novitsky, J.A.: Microbial Control of Organic Carbon in Marine Sediments: Coupled Chemoautotrophy an Heterotrophy **55**, 261 (1980)

Kerambrun, P.: Remplacement de *Sphaeroma serratum* par *S. hookeri* dans l'Etang de Berre par suite de sa dessalure. [Replacement of *Sphaeroma serratum* by *S. hookeri* in Etang de Berre by Means of Its Desalination **6**, 128 (1970)

Kerambrun, P.: Le matériel minéral de *Sphaeroma hookeri* (Isopoda: Flabellifera). Croissance comparée de la teneur en cendres dans différentes populations. [The Inorganic Content of *Sphaeroma hooke* (Isopoda: Flabellifera). Comparative Growth of Ash Content in Different Populations] **11**, 330 (1971)

Kerambrun, P.: Dimorphisme sexuel biochimique de *Sphaeroma hookeri* (Isopoda: Flabellifera) relatif à sa teneur en carbone, azote et hydrogène. [Biochemical Sexual Dimorphism of *Sphaeroma hookeri* (Isopoda: Flabellifera) in Relation to Its Carbon, Nitrogen and Hydrogen Content] **13**, 34 (1972)

Kerambrun, P., Szekielda, K.H.: Composition élémentaire (C,H,N) de *Sphaeroma serratum* et *S. hookeri* (Crustacea: Isopoda). [Elementary Composition (C,H,N) of *Sphaeroma serratum* and *S. hookeri* (Crustacea: Isopoda)] **4**, 352 (1969)

Kerambrun, P., see Blanc, F. **17**, 158 (1972)

Kerambrun, P., see Champalbert, G. **45**, 215 (1978)

Kerambrun, P., see Champalbert, G. **51**, 357 (1979)

Kerr, S., see Westernhagen, H. von, et al. **51**, 195 (1979)

Keser, M., see Larson, B.R., et al. **59**, 49 (1980)

Khamala, C.P.M.: Ecology of *Echinometra mathaei* (Echinoidea: Echinodermata) at Diani Beach, Kenya **11**, 167 (1971)
Khlebovich, V.V.: Some Peculiar Features of the Hydrochemical Regime and the Fauna of Mesohaline Waters **2**, 47 (1968)
Khlebovich, V.V.: Aspects of Animal Evolution Related to Critical Salinity and Internal State **2**, 338 (1969)
Khlebovich, V.V., Kondratenkov, A.P.: Stepwise Acclimation – A Method for Estimating the Potential Euryhalinity of the Gastropod *Hydrobia ulvae* **18**, 6 (1973)
Khripounoff, A., Sibuet, M.: La nutrition d'echinodermes abyssaux. I. Alimentation des holothuries. [The Nutrition of Abyssal Echinoderms. I. Feeding of Holothuroids] **60**, 17 (1980)
Kidron, J., Fishelson, L., Moav, B.: Cytology of an Unusual Case of Hermaphroditic Gonads in the Tropical Sea Urchin *Tripneustes gratila* from Eilat (Red Sea) **14**, 260 (1972)
Kiefer, D.A.: Fluorescence Properties of Natural Phytoplankton Populations **22**, 263 (1973)
Kiefer, D.A.: Chlorophyll *a* Fluorescence in Marine Centric Diatoms: Responses of Chloroplasts to Light and Nutrient Stress **23**, 39 (1973)
Kilham, P., see Hecky, R.E., et al. **19**, 323 (1973)
Killingley, J.S., see Wefer, G. **60**, 129 (1980)
Kimor, B., Golandsky, B.: Microplankton of the Gulf of Elat: Aspects of Seasonal and Bathymetric Distribution **42**, 55 (1977)
Kimor, B., Wood, E.J.F.: A Plankton Study in the Eastern Mediterranean Sea **29**, 321 (1975)
Kimura, S., see Tanaka, H., et al. **2**, 297 (1969)
King, D.B., see Young, S.D., et al. **41**, 253 (1977)
King, D.B., see Young, S.D., et al. **41**, 259 (1977)
King, F.D., see Owens, T.G. **30**, 27 (1975)
King, J., see Velimirov, B. **50**, 349 (1979)
King, J.A., see Griffiths, C.L. **51**, 141 (1979)
King, J.A., see Griffiths, C.L. **53**, 217 (1979)
King, J.D., see Morrison, S.J., et al. **41**, 229 (1977)
King, J.M., see Alldredge, A.L. **41**, 317 (1977)
King, K.R., Hollibaugh, J.T., Azam, F.: Predator-Prey Interactions Between the Larvacean *Oikopleura dioica* and Bacterioplankton in Enclosed Water Columns **56**, 49 (1980)
King, P.E., Jarvis, J.H.: Egg Development in a Littoral Pycnogonid *Nymphon gracile* **7**, 294 (1970)
King, P.E., see Jarvis, J.H. **13**, 146 (1972)
King, P.E., see Jarvis, J.H. **33**, 331 (1975)
King, P.E., see Jones, D.A., et al. **2**, 311 (1969)
King, R.J., Schramm, W.: Determination of Photosynthetic Rates for the Marine Algae *Fucus vesiculosus* and *Laminaria digitata* **37**, 209 (1976)
King, R.J., Schramm, W.: Photosynthetic Rates of Benthic Marine Algae in Relation to Light Intensity and Seasonal Variations **37**, 215 (1976)
Kingston, P.F.: Studies on the Reproductive Cycles of *Cardium edule* and *C. glaucum* **28**, 317 (1974)
Kinne, O.: In Memory of Harold Barnes (25 December, 1908 to 21 February, 1978) **47**, 199 (1978)
Kinne, O.: Fifty Volumes "Marine Biology" – An Editorial **50**, 385 (1979)
Kinne, O., Rosenthal, H.: Effects of Sulfuric Water Pollutants on Fertilization, Embryonic Development and Larvae of the Herring, *Clupea harengus* **1**, 65 (1967)
Kinner, P., see Maurer, D., et al. **45**, 65 (1978)
Kiortsis, V., see Moraitou-Apostolopoulou, M. **20**, 137 (1973)
Kirsteuer, E., Land, J. van der: Some Notes on *Tubiluchus corallicola* (Priapulida) from Barbados, West Indies **7**, 230 (1970)
Kirsteuer, E., Rützler, K.: Additional Notes on *Tubiluchus corallicola* (Priapulida), Based on Scanning Electron Microscope Observations **20**, 78 (1973)
Kitching, J.A., Lockwood, J.: Observations on Shell Form and Its Ecological Significance in Thaisid Gastropods of the Genus *Lepsiella* in New Zealand **28**, 131 (1974)
Kitting, C.L., see Seapy, R.R. **46**, 137 (1978)
Kjelleberg, S., Håkansson, N.: Distribution of Lipolytic, Proteolytic, and Amylolytic Marine Bacteria Between the Lipid Film and the Subsurface Water **39**, 103 (1977)
Kjelleberg, S., Stenström, T.A., Odham, G.: Comparative Study of Different Hydrophobic Devices for Sampling Lipid Surface Films and Adherent Microorganisms **53**, 21 (1979)
Kleemann, K.H.: Raumkonkurrenz bei Ätzmuscheln. [Space Competition in Etching Bivalves] **26**, 361 (1974)
Klęk, E., see Bomirski, A. **24**, 329 (1974)
Klinker, J., Reiss, Z., Kropach, C., Levanon, I., Harpaz, H., Shapiro, Y.: Nutrients and Biomass Distribution in the Gulf of Aqaba (Elat), Red Sea **45**, 53 (1978)
Klumpp, D.W.: Characteristics of Arsenic Accumulation by the Seaweeds *Fucus spiralis* and *Ascophyllum nodosum* **58**, 257 (1980)
Klumpp, D.W.: Accumulation of Arsenic from Water and Food by *Littorina littoralis* and *Nucella lapillus* **58**, 265 (1980)
Knight, A.W., see Sharp, J.W., et al. **50**, 367 (1979)
Knight, A.W., see Nelson, S.G., et al. **54**, 25 (1979)
Knight-Jones, E.W., Knight-Jones, P., Vine, P.J.: Anchorage of Embryos in Spirorbinae (Polychaeta) **12**, 289 (1972)
Knight-Jones, E.W., see Knight-Jones, P. **25**, 253 (1974)
Knight-Jones, P., Knight-Jones, E.W.: Spirorbinae (Serpulidae: Polychaeta) from South Africa, Including Three New Species **25**, 253 (1974)
Knight-Jones, P., see Knight-Jones, E.W., et al. **12**, 289 (1972)
Kniprath, E., see Lafargue, F. **45**, 175 (1978)
Knowles, R., see Patriquin, D.G. **16**, 49 (1972)
Knowles, R., see Patriquin, D.G. **32**, 49 (1975)
Knowles, S.C., see Paffenhöfer, G.-A. **48**, 143 (1978)
Knowles, S.C., see Stickney, R.R. **33**, 147 (1975)
Knox, D., Walton, M.J., Cowey, C.B.: Distribution of Enzymes of Glycolysis and Gluconeogenesis in Fish Tissues **56**, 7 (1980)
Kobayashi, H.A.: Growth Cycle and Related Vertical Distribution of the Thecosomatous Pteropod *Spiratella ("Limacina") helicina* in the Central Arctic Ocean **26**, 295 (1974)
Kobayashi, K., Saito, Y., Tomiyama, T.: Incorporation of $^{32}PO_4$ Directly Taken-Up into Acid-Soluble Phosphates of *Artemia salina* **12**, 295 (1972)
Kobayashi, N.: Comparative Sensitivity of Various Developmental Stages of Sea Urchins to Some Chemicals **58**, 163 (1980)
Kobori, H., see Taga, N. **49**, 223 (1978)
Koehn, R.K.: Genetic Variation in the Eel: A Critique **14**, 179 (1972)
Kölmel, R.: Ein neuer „Meiofaunastecher" zur quantitativen Probennahme in Weichböden. [A New Meiofauna Sampler for Quantitative Sampling in Soft Bottoms] **25**, 163 (1974)
Kofoed, L.H., see Newell, R.C. **44**, 275 (1977)
Kofoed, L.H., see Fenchel, T., et al. **30**, 119 (1975)
Koga, S., see Teshima, K. **23**, 337 (1973)
Kohl, H., see Gandhi, N.M., et al. **34**, 223 (1976)
Kohlmeyer, J.: Fungi from the Sargasso Sea **8**, 344 (1971)
Kohlmeyer, J.: Marine Fungi Deteriorating Chitin of Hydrozoa and Keratin-Like Annelid Tubes **12**, 277 (1972)
Kohn, A.J., Nybakken, J.W.: Ecology of *Conus* on Eastern Indian Ocean Fringing Reefs: Diversity of Species and Resource Utilization **29**, 211 (1975)
Koike, I., see Seki, H., et al. **26**, 1 (1974)
Koike, I., see Wada, E., et al. **29**, 119 (1975)
Kondratenkov, A.P., see Khlebovich, V.V. **18**, 6 (1973)
Kornmann, P.: Der Lebenszyklus von *Acrosiphonia grandis* (Acrosiphoniales, Chlorophyta). [The Life Cycle of *Acrosiphonia grandis (Acrosiphoniales, Chlorophyta)* **7**, 324 (1970)
Koryakova, M.D., see Saenko, G.N., et al. **34**, 169 (1976)
Kosler, A.: Distributional Patterns of the Eulittoral Fauna near the Isle of Hiddensee (Baltic Sea, Rugia) **1**, 266 (1968)
Koss, R., see Chia, F.S. **46**, 109 (1978)
Kovačevič, N., see Radil-Weiss, T. **3**, 304 (1969)
Kovačevič, N., see Radil-Weiss, T. **5**, 18 (1970)
Kraeuter, J.N.: Biodeposition by Salt-Marsh Invertebrates **35**, 215 (1976)
Krajnović, M., Kečkeš, S.: Antigenic Specificity of the Sea Urchin Sperm Surface **1**, 134 (1967)
Kramarsky, E., see Morgan, R.P., II, et al. **48**, 223 (1978)
Kraus, M.G., see Kaplan, E.H., et al. **32**, 193 (1975)
Kravtsova, Y.Y., see Saenko, G.N., et al. **47**, 243 (1978)

Krawiec, R.W., see Durbin, E.G., et al. **32**, 271 (1975)
Kremer, B.P.: Untersuchungen zur Physiologie von Volemit in der marinen Braunalge *Pelvetia canaliculata*. [Investigations on the Physiology of Volemitol in the Marine Brown Alga *Pelvetia canaliculata*] **22**, 31 (1973)
Kremer, B.P.: $^{14}CO_T$Fixation by the Endosymbiotic Alga *Platymonas convolutae Within the Turbellarian Convoluta roscoffensis* **31**, 219 (1975)
Kremer, B.P.: Studies on $^{14}CO_T$Assimilation in Marine Rhodophyceae **48**, 47 (1978)
Kremer, B.P.: Transversal Profiles of Carbon Assimilation in the Fronds of Three *Laminaria* Species **59**, 95 (1980)
Kremer, B.P., Schmitz, K.: Aspects of $^{14}CO_T$ Fixation by Endosymbiotic Rhodoplasts in the Marine Opisthobranchiate *Hermaea bifida* **34**, 313 (1976)
Kremer, B.P., see Munda, I.M. **42**, 9 (1977)
Kremer, B.P., see Schmitz, K. **42**, 305 (1977)
Kremer, P.: Respiration and Excretion by the Ctenophore *Mnepiopsis leidyi* **44**, 43 (1977). Corrigendum Notice **46**, 372 (1978)
Kremling, K., Piuze, J., Bröckel, K. von, Wong, C.S.: Studies on the Pathways and Effects of Cadmium in Controlled Ecosystem Enclosures **48**, 1 (1978)
Kress, A.: Veränderungen der Eikapselvolumina während der Entwicklung verschiedener Opisthobranchier-Arten (Mollusca, Gastropoda). [Changes in Egg-Capsule Volumes During the Development of Different Opisthobranch Species (Mollusca, Gastropoda)] **16**, 236 (1972)
Krishna Pillay, K., Balakrishnan Nair, N.: The Annual Reproductive Cycles of *Uca annulipes*, *Portunus pelagicus* and *Metapenaeus affinis* (Decapoda: Crustacea) from the South-West Coast of India **11**, 152 (1971)
Krishnamoorthy, R.V., Srihari, K.: Changes in the Excretory Patterns of the Fresh-Water Field Crab *Paratelphusa hydrodromous* upon Adaptation to Higher Salinities **21**, 341 (1973)
Krishnamoorthy, R.V., Venkatramiah, A.: Myosin ATPase Activity in an Estuarine Decapod Crustacean, *Scylla serrata*, as a Function of Salinity Adaptation **4**, 345 (1969)
Krishnamoorthy, R.V., Venkatramiah, A.: Kinetic Changes in Flexor Myosin ATPase of *Scylla serrata* Adapted to Different Salinities **8**, 30 (1971)
Krishnamoorthy, R.V., see Narasimhan, T. **30**, 167 (1975)
Krishnamurthy, K., Sundararaj, V.: A Survey of Environmental Features in a Section of the Vellar-Coleroon Estuarine System, South India **23**, 229 (1973)
Krishnamurthy, K., see Subbaraju, R.C. **14**, 25 (1972)
Krishnan, G., see Mary, R.F. **25**, 299 (1974)
Krishnan, S.: Histochemical Studies on Reproductive and Nutritional Cycles of the Holothurian, *Holothuria scabra* **2**, 54 (1968)
Krishnan, S.: Autoradiographic Studies on Sugar Transport in the Sea Cucumber *Holothuria scabra* **10**, 189 (1971)
Krishnan, S., Krishnaswamy, S.: Studies on the Transport of Sugars in the Holothurian *Holothuria scabra* **5**, 303 (1970)
Krishnan, T.S., see Kutty, M.N., et al. **11**, 125 (1971)
Krishnan Kutty, M., Desai, B.N.: A Comparison of the Efficiency of the Bottom Samplers Used in Benthic Studies off Cochin **1**, 168 (1968)
Krishnaswamy, S., see Krishnan, S. **5**, 303 (1970)
Kropach, C., see Klinker, J., et al. **45**, 53 (1978)
Krüger, F.: Untersuchungen über die Temperaturabhängigkeit des Sauerstoffverbrauchs von *Crepidula fornicata* (Mollusca: Prosobranchia). [Investigations on the Temperature Dependence of the Oxygen Consumption of *Crepidula fornicata* (Mollusca: Prosobranchia)] **5**, 145 (1970)
Krüger, F.: Mathematische Analyse der kombinierten Wirkung von Temperatur und Salzgehalt auf den Stoffwechsel von *Tilapia mossambica* (Teleostei). [Mathematical Analysis of Combined Temperature and Salinity Effect on the Metabolism of *Tilapia mossambica* (Teleostei)] **8**, 147 (1971)
Krumbein, W.E.: Sediment Microbiology and Grain-Size Distribution, as Related to Tidal Movement, During the First Mission of the West German Underwater Laboratory "Helgoland" **10**, 101 (1971)
Krupatkina-Akinina, D.K., Lie, U.: Distribution and Structure of Benthic Assemblages in Puget Sound, Washington, USA **26**, 203 (1974)
Krzyz, R.M., see Saliba, L.J. **38**, 231 (1976)
Kuehner, E., see Gosselck, F. **22**, 67 (1973)
Künnemann, H.: Der Einfluß der Temperatur auf Thermostabilität, Isoenzym-Muster und Reaktionskinetik der Laktat-Dehydrogenase aus Fischen. [The Influence of Temperature on Thermostability, Isoenzyme Pattern and Reaction Kinetics of Lactate Dehydrogenase from Fishes] **18**, 37 (1973)
Künnemann, H.: Resistenzadaption bei gehemmter Proteinbiosynthese. Versuche mit Actinomycin D an dem Fisch *Rhodeus amarus*. [Resistance Adaptation During Inhibited Proteinbiosynthesis. Experiments with Actinomycin D in the Fish *Rhodeus amarus*] **18**, 260 (1973)
Künnemann, H., Passia, D.: $NADP^+$-Isocitrat-Dehydrogenase aus *Idus idus* (Pisces: Cyprinidae). II. Einfluß der Temperatur auf Substrat- und Cosubstrataffinität. [$NADP^+$-Isocitrate Dehydrogenase from *Idus idus* (Pisces: Cyprinidae). II. Influence of Temperature on Substrate and Cosubstrate Affinity] **23**, 205 (1973)
Künnemann, H., Laudien, H., Precht, H.: Der Einfluß von Temperaturänderungen auf Enzyme der Fischmuskulatur. Versuche mit Goldorfen *Idus idus*. [The Influence of Temperature Changes on Enzymes of Fish Muscles. Experiments with Golden Orfs *Idus idus*] **7**, 71 (1970)
Künnemann, H., see Wernick, A. **18**, 32 (1973)
Künnemann, H., see Braun, K., et al. **7**, 59 (1970)
Kuiper, J.: Development of North Sea Coastal Plankton Communities in Separate Plastic Bags Under Identical Conditions **44**, 97 (1977)
Kurelec, B., Britvić, S., Rijavec, M., Müller, W.E.G., Zahn, R.K.: Benzo(a)pyrene Monooxygenase Induction in Marine Fish – Molecular Response to Oil Pollution **44**, 211 (1977)
Kurelec, B., see Breter, H.-J., et al. **40**, 1 (1977)
Kussakin, O.G.: Peculiarities of the Geographical and Vertical Distribution of Marine Isopods and the Problem of Deep-Sea Fauna Origin **23**, 19 (1973)
Kutt, E.C., Martin, D.F.: Effect of Selected Surfactants on the Growth Characteristics of *Gymnodinium breve* **28**, 253 (1974)
Kutty, M.N.: Oxygen Consumption in the Mullet *Liza macrolepis* with Special Reference to Swimming Velocity **4**, 239 (1969)
Kutty, M.N.: Respiration Quotient and Ammonia Excretion in *Tilapia mossambica* **16**, 126 (1972)
Kutty, M.N., Murugapoopathy, G., Krishnan, T.S.: Influence of Salinity and Temperature on the Oxygen Consumption in Young Juveniles of the Indian Prawn *Penaeus indicus* **11**, 125 (1971)
Kuznetsov, A., see Hochachka, P.W., et al. **7**, 285 (1970)

L

LaBarbera, M.: Calcification of the First Larval Shell of *Tridacna squamosa* (Tridacnidae: Bivalvia) **25**, 233 (1974)
Laborde, P.L., Minas, H.J.: Influence des conditions hivernales sur les productions phyto- et zooplanctoniques en Méditerranée Nord-Occidentale. IV. Distribution verticale des taux d'adénosine triphosphate et de production primaire. [Influence of Winter Conditions on Phyto- and Zooplankton Production in the Nothwestern Mediterranean. IV. Vertical Distribution of Concentrations of Adenosine Triphosphate and Primary Production] **25**, 203 (1974)
Laborde, P.L., see Berland, B.R., et al. **7**, 82 (1970)
Laborde, P.L., see Berland, B.R., et al. **13**, 338 (1972)
Labourg, P.J., Lasserre, G.: Dynamique des populations de *Cerastoderma glaucum* dans une lagune aménagée de la région d'Arcachon. [Population Dynamics of *Cerastoderma glaucum* in an Artifical Lagoon of the Arcachon Region] **60**, 147 (1980)
Ladanyi, P., Leray, C.: Etude comparative biochimique et histochimique des métabolismes glucidiques et respiratoires

des muscles de quelques mollusques Méditerranéens. [Comparative Biochemical and Histochemical Study on the Carbohydrate and Oxydative Metabolisms in Muscles of Some Meditteranean Molluscs] **1**, 210 (1968)
Lännergren, C.: Buoyancy of Natural Populations of Marine Phytoplankton **54**, 1 (1979)
Lännergren, C., see Skjoldal, H.R. **47**, 313 (1978)
Lafargue, F., Kniprath, E.: Formation des spicules de Didemnidae (ascidies composées). I. L'apparition des spicules chez l'oozoïde après la métamorphose. [Spicule-Formation of the Didemnidae (Colonial Ascidians). I. The Appearance of Spicules in the Oozooid After Metamorphosis] **45**, 175 (1978)
Lagardère, F., see Ansell, A.D. **57**, 287 (1980)
Lagardère, J.-P., Régnault, M.R.: Influence du niveau sonore de bruit ambiant sur le métabolisme de *Crangon crangon* (Decapoda: Natantia) en élevage. [Influence of Sound Level of Ambient Noise on the Metabolism of *Crangon crangon* (Decapoda: Natantia) in Culture] **57**, 157 (1980)
Lake, J., see Hershner, C. **56**, 163 (1980)
Lakkis, S.: Contribution à l'étude du zooplancton des eaux libanaises. [Contribution to the study of Zooplankton in Lebanese Waters] **11**, 138 (1971)
Lakočević, L., see Radil-Weiss, T., et al. **6**, 241 (1970)
Lalithambika Devi, C.B., see Balakrishnan, K.P. **6**, 256 (1970)
Lalli, C.M., Conover, R.J.: Reproduction and Development of *Paedoclione doliiformis*, and a Comparison with *Clione limacina* (Opisthobranchia: Gymnosomata) **19**, 13 (1973)
Lampert, W.: A Directly Coupled, Artificial Two-Step Food Chain for Long-Term Experiments with Filter-Feeders at Constant Food Concentrations **37**, 349 (1976)
Land, J., van der, see Kirsteuer, E. **7**, 230 (1970)
Land, L.S., Lang, J.C., Barnes, D.J.: Extension Rate: A Primary Control on the Isotopic Composition of West Indian (Jamaican) Scleractinian Reef Coral Skeletons **33**, 221 (1975)
Landry, M.R.: The Structure of Marine Ecosystems: An Alternative **35**, 1 (1976)
Lane, D.J.W.: Attachment of the Larva of the Ascidian *Diplosoma listerianum* **21**, 47 (1973)
Lang, C., Mann, K.H.: Changes in Sea Urchin Populations After the Destruction of Kelp Beds **36**, 321 (1976)
Lang, J.C., see Land, L.S., et al. **33**, 221 (1975)
Lang, J.C., see Richardson, C.A., et al. **55**, 181 (1979)
Lang, W.H., Forward, R.B., Jr., Miller, D.C., Marcy, M.: Acute Toxicity and Sublethal Behavioral Effects of Copper on Barnacle Nauplii *(Balanus improvisus)* **58**, 139 (1980)
Langston, W.J.: Accumulation of Polychlorinated Biphenyls in the Cockle *Cerastoderma edule* and the Tellin *Macoma balthica* **45**, 265 (1978)
Langston, W.J.: Persistence of Polychlorinated Biphenyls in Marine Bivalves **46**, 35 (1978)
Langton, R.W.: Digestive Rhythms in the Mussel *Mytilus edulis* **41**, 53 (1977)
Langton, R.W., Gabbott, P.A.: The Tidal Rhythm of Extracellular Digestion and the Response to Feeding in *Ostrea edulis* **24**, 181 (1974)
Langton, R.W., see Robinson, W.E. **58**, 173 (1980)
Lapan, R.L., Jr., see Eisler, R., et al. **45**, 311 (1978)
Lappalainen, A., see Fenchel, T., et al. **30**, 119 (1975)
LaRoe, E.T.: The Culture and Maintenance of the Loliginid Squids *Sepioteuthis sepioidea* and *Doryteuthis plei* **9**, 9 (1971)
Larsen, P.F.: The Shallow-Water Macrobenthos of a Northern New England Estuary **55**, 69 (1979)
Larson, B.R., Vadas, R.L., Keser, M.: Feeding and Nutritional Ecology of the Sea Urchin *Strongylocentrotus drobachiensis* in Maine, USA **59**, 49 (1980)
Larson, R.J.: Territorial Behavior of the Black and Yellow Rockfish and Gopher Rockfish (Scorpaenidae, *Sebastes*) **58**, 111 (1980)
Larson, R.J.: Influence of Territoriality on Adult Density in Two Rockfishes of the Genus *Sebastes* **58**, 123 (1980)
Larsson, Å, see Fänge, R., et al. **17**, 180 (1972)
Larsson, U., Hagström, A.: Phytoplankton Exudate Release as an Energy Source for the Growth of Pelagic Bacteria **52**, 199 (1979)
Lasker, R., Feder, H.M., Theilacker, G.H., May, R.C.: Feeding, Growth, and Survival of *Engraulis mordax* Larvae Reared in the Laboratory **5**, 345 (1970)
Lassen, H.H., Turano, F.J.: Clinal Variation and Heterozygote Deficit at the Lap-Locus in *Mytilus edulis* **49**, 245 (1978)
Lasserre, G., see Labourg, P.J. **60**, 147 (1980)
Lassig, B.R.: Communication and Coexistence in a Coral Community **42**, 85 (1977)
Last, J.M.: The Food of Four Species of Pleuronectiform Larvae in the Eastern English Channel and Southern North Sea **45**, 359 (1978)
Last, J.M.: The Food of Three Species of Gadoid Larvae in the Eastern English Channel and Southern North Sea **48**, 377 (1978)
Laubier-Bonichon, A., Mangold, K.: La maturation sexuelle chez les mâles d'*Octopus vulgaris* (Cephalopoda: Octopoda), en relation avec le réflexe photosexuel. [Sexual Maturation in Male *Octopus vulgaris* (Cephalopoda: Octopoda) in Relation to Photo-Sexual Reflex] **29**, 45 (1975)
Laudien, H., see Jankowsky, H.D., et al. **3**, 73 (1969)
Laudien, H., see Braun, K., et al. **7**, 59 (1970)
Laudien, H., see Künnemann, H., et al. **7**, 71 (1970)
Laughlin, R., Jr., see Lindén, O., et al. **51**, 101 (1979)
Laughlin, R.B., Jr., Neff, J.M.: Interactive Effects of Salinity, Temperature and Polycyclic Aromatic Hydrocarbons on the Survival and Development Rate of Larvae of the Mud Crab *Rhithropanopeus harrisii* **53**, 281 (1979)
Laughlin, R.B., Jr., Young, L.G.L., Neff, J.M.: A Long-Term Study of the Effects of Water-Soluble Fractions of No. 2 Fuel Oil on the Survival, Development Rate, and Growth of the Mud Crab *Rhithropanopeus harrisii* **47**, 87 (1978)
Laumond, F., see Gnassia-Barelli, M., et al. **47**, 15 (1978)
Laurec, A., see Blanc, F., et al. **14**, 120 (1972)
Laurec, A., see Blanc, F., et al. **35**, 49 (1976)
Laurence, G.C.: Laboratory Growth and Metabolism of the Winter Flounder *Pseudopleuronectes americanus* from Hatching Through Metamorphosis at Three Temperatures **32**, 223 (1975)
Laurence, G.C.: Comparative Growth, Respiration and Delayed Feeding Abilities of Larval Cod *(Gadus morhua)* and Haddock *(Melanogrammus aeglefinus)* as Influenced by Temperature During Laboratory Studies **50**, 1 (1978)
Laurs, R.M., see Blackburn, M., et al. **7**, 14 (1970)
Lavarello, O., see Peroni, C. **30**, 37 (1975)
Lavarello, O., see Bernhard, M., et al. **25**, 339 (1974)
LaVelle, J.M.: Translocation in *Calliarthron tuberculosum* and Its Role in the Light-Enhancement of Calcification **55**, 37 (1979)
Lavéty, J., see Love, R.M. **43**, 117 (1977)
Lawrence, J.M., Kafri, J.: Numbers, Biomass, and Caloric Content of the Echinoderm Fauna of the Rocky Shores of Barbados **52**, 87 (1979)
Lawrence, J.M., see Prim, P. **33**, 167 (1975)
Laws, E., Caperon, J.: Carbon and Nitrogen Metabolism by *Monochrysis lutheri:* Measurement of Growth-Rate-Dependent Respiration Rates **36**, 85 (1976)
Laws, E., see Caperon, J., et al. **54**, 33 (1979)
Lawson, T.J.: Community Interactions and Zoogeography of the Indian Ocean Candaciidae (Copepoda: Calanoida) **43**, 71 (1977)
Laycock, R.A.: The Detrital Food Chain Based on Seaweeds. I. Bacteria Associated with the Surface of *Laminaria* Fronds **25**, 223 (1974)
Lazzaretto-Colombera, I.: Chromosome Number in Ten Species of the Genus *Tisbe* (Copepoda: Harpacticoida) **38**, 159 (1976)
Leathem, W., see Maurer, D., et al. **45**, 65 (1978)
Lebednik, P.A.: Ecological Effects of Intertidal Uplifting from Nuclear Testing **20**, 197 (1973)
Leclerc, M., Augarde, J.: Effets de l'ablation de l'organe axial sur l'activité respiratoire chez *Asterina gibbosa* (échinodermes, astérides). [Effects of the Removal of the Axial Organ on the Respiratory Activity of *Asterina gibbosa* (Echinoderms, Asterids)] **6**, 77 (1970)
Lee, C.C., see Bunt, J.S., et al. **16**, 28 (1972)
Lee, E., see Bunt, J.S., et al. **16**, 28 (1972)

Lee, J.J., Muller, W.A., Stone, R.J., McEnery, M.E., Zucker, W.: Standing Crop of Foraminifera in Sublittoral Epiphytic Communities of a Long Island Salt Marsh **4**, 44 (1969)
Lee, J.J., see Matera, N.J. **14**, 89 (1972)
Lee, R.F.: Lipid Composition of the Copepod *Calanus hyperboreas* from the Arctic Ocean. Changes with Depth and Season **26**, 313 (1974)
Lee, R.F., Nevenzel, J.C., Paffenhöfer, G.-A.: Importance of Wax Esters and Other Lipids in the Marine Food Chain: Phytoplankton and Copepods **9**, 99 (1971)
Lee, R.F., Sauerheber, R., Dobbs, G.H.: Uptake, Metabolism and Discharge of Polycyclic Aromatic Hydrocarbons by Marine Fish **17**, 201 (1972)
Lee, R.F., Ryan, C., Neuhauser, M.L.: Fate of Petroleum Hydrocarbons Taken up from Food and Water by the Blue Crab *Callinectes sapidus* **37**, 363 (1976)
Lee, R.F., see Sargent, J.R. **31**, 15 (1975)
Lee, R.F., see Phleger, C.F., et al. **35**, 85 (1976)
Lee, S.S., see Lim, T.K. **5**, 83 (1970)
Lee, S.W., Trott, L.B.: Marine Succession of Fouling Organisms in Hong Kong, with a Comparison of Woody Substrates and Common, Locally-Available, Antifouling Paints **20**, 101 (1973)
Lee, W.Y., Nicol, J.A.C.: Individual and Combined Toxicity of Some Petroleum Aromatics to the Marine Amphipod *Elasmopus pectenicrus* **48**, 215 (1978)
Leffler, C.W.: Some Effects of Temperature on the Growth and Metabolic Rate of Juvenile Blue Crabs *Callinectes sapidus*, in the Laboratory **14**, 104 (1972)
Legendre, L., Simard, Y.: Océanographie biologique estivale et phytoplancton dans le sud-ouest de la baie d'Hudson. [Summer Biological Oceanography and Phytoplankton in South-Eastern Hudson Bay] **52**, 11 (1979)
Legendre, L., Watt, W.D.: The Distribution of Primary Production Relative to a Cyclonic Gyre in Baie des Chaleurs **7**, 167 (1970)
Legendre, L., see Roy, S. **55**, 93 (1979)
Legendre, L., see Fortier, L., et al. **46**, 349 (1978)
Lehnert-Moritz, K., see Storch, V. **28**, 215 (1974)
Leibson, N.L., Movchan, O.T.: Cambial Zones in Gills of Bivalvia **31**, 175 (1975)
Leicht, R.: Der Sauerstoffverbrauch von *Anguilla vulgaris* in seiner Abhängigkeit von Temperaturdifferenzen zwischen Kopfbereich und Rumpf. [The Oxygen Consumption of *Anguilla vulgaris* in Its Relation to Temperature Differences Between Head Region and Body] **3**, 28 (1969)
Leighton, D.L.: A Growth Profile for the Rock Scallop *Hinnites multirugosus* Held at Several Depths off La Jolla, California **51**, 229 (1979)
Leis, J.M., Miller, J.M.: Offshore Distributional Patterns of Hawaiian Fish Larvae **36**, 359 (1979)
Leisman, G., see Young, R.E., et al. **53**, 69 (1979)
Lemaire, J., see Decleir, W., et al. **5**, 256 (1970)
Lemons, F., see Ramus, J., et al. **42**, 293 (1977)
Lempesis, P.W., see Middaugh, D.P. **35**, 295 (1976)
Lenin, A.I., see Belyaev, V.I., et al. **31**, 1 (1975)
Lenz, J.: On Detritus as a Food Source for Pelagic Filter-Feeders **41**, 39 (1977)
Leray, C., see Ladanyi, P. **1**, 210 (1968)
Leum, L.L., Choat, J.H.: Density and Distribution Patterns of the Temperate Marine Fish *Cheilodactylus spectabilis* (Cheilodactylidae) in a Reef Environment **57**, 327 (1980)
Leutenegger, S.: Ultrastructure and Motility of Dinophyceans Symbiotic with Larger, Imperforated Foraminifera **44**, 157 (1977)
Leutenegger, S., Hansen, H.J.: Ultrastructural and Radiotracer Studies of Pore Function in Foraminifera **54**, 11 (1979)
Levanon, I., see Klinker, J., et al. **45**, 53 (1978)
Leveau, M., see Blanc, F. **5**, 283 (1970)
Leveau, M., see Blanc, F., et al. **3**, 233 (1969)
Leveau, M., see Blanc, F., et al. **14**, 120 (1972)
Levings, C.D., see Wu, R.S.S. **45**, 225 (1978)
Levings, C.D., see Wu, R.S.S. **54**, 83 (1979)
Levinton, J.S.: Levels of Genetic Polymorphism at Two Enzyme Encoding Loci in Eight Species of the Genus *Macoma* (Mollusca: Bivalvia) **33**, 41 (1975)
Levinton, J.S., Suchanek, T.H.: Geographic Variation, Niche Breadth and Genetic Differentiation at Different Geographic Scales in the Mussels *Mytilus californianus* and *M. edulis* **49**, 363 (1978)
Lewey, S., see Withers, R.G., et al. **31**, 79 (1975)
Lewin, J., Hellebust, J.A.: Heterotrophic Nutrition of the Marine Pennate Diatom *Nitzschia angularis* var. *affinis* **36**, 313 (1976)
Lewin, J., Hellebust, J.A.: Utilization of Glutamate and Glucose for Heterotrophic Growth by the Marine Pennate Diatom *Nitzschia laevis* **47**, 1 (1978)
Lewin, J., Mackas, D.: Blooms of Surf-Zone Diatoms Along the Coast of the Olympic Peninsula, Washington. I. Physiological Investigations of *Chaetoceros armatum* and *Asterionella socialis* in Laboratory Cultures **16**, 171 (1972)
Lewin, J., Chen, Ching-hong, Hruby, T.: Blooms of Surf-Zone Diatoms Along the Coast of the Olympic Peninsula, Washington. X. Chemical Compositon of the Surf Diatom *Chaetoceros armatum* and Its Major Herbivore, the Pacific Razor Clam *Siliqua patula* **51**, 259 (1979)
Lewin, J., Eckman, J.E., Ware, G.N.: Blooms of Surf-Zone Diatoms Along the Coast of the Olympic Peninsula, Washington. XI. Regeneration of Ammonium in the Surf Environment by the Pacific Razor Clam *Siliqua patula* **52**, 1 (1979)
Lewin, J., see Collos, Y. **25**, 213 (1974)
Lewin, J., see Booth, B.C., et al. **58**, 205 (1980)
Lewis, A.G., Ramnarine, A., Evans, M.S.: Natural Chelators – an Indication of Activity with the Calanoid Copepod *Euchaeta japonica* **11**, 1 (1971)
Lewis, A.G., Whitfield, P.H., Ramnarine, A.: Some Particulate and Soluble Agents Affecting the Relationship Between Metal Toxicity and Organism Survival in the Calanoid Copepod *Euchaeta japonica* **17**, 215 (1972)
Lewis, A.H., see Cook, P.A. **9**, 26 (1971)
Lewis, C., see Brock, R.E., et al. **54**, 281 (1979)
Lewis, C.A.: Some Observations on Factors Affecting Embryonic and Larval Growth of *Pollicipes polymerus* (Cirripedia: Lepadomorpha) *in vitro* **32**, 127 (1975)
Lewis, C.A.: Development of the Gooseneck Barnacle *Pollicipes polymerus* (Cirripedia: Lepadomorpha): Fertilization Through Settlement **32**, 141 (1975)
Lewis, J.B.: Experimental Tests of Suspension Feeding in Atlantic Reef Corals **36**, 147 (1976)
Ley, A.C., see Prézelin, B.B. **55**, 295 (1980)
Li, W.K.W.: Cellular Composition and Physiological Characteristics of the Diatom *Thalassiosira weissflogii* Adapted to Cadmium Stress **55**, 171 (1979)
Lickey, M.E., Emigh, R.L., Randle, F.R: A Recirculating Seawater Aquarium System for Inland Laboratories **7**, 149 (1970)
Lidman, U., see Fänge, R., et al. **17**, 180 (1972)
Lie, U., Evans, R.A.: Long-Term Variability in the Structure of Subtidal Benthic Communities in Puget Sound, Washington, USA **21**, 122 (1973)
Lie, U., see Krupatkina-Akinina, D.K. **26**, 203 (1974)
Liebezeit, G., see Meyer-Reil, L.-A., et al. **48**, 161 (1978)
Lilly, D.M., see Hanna, B.A. **26**, 153 (1974)
Lim, T.K., Lee, S.S.: Electrophoretic Studies on Muscle Myogens of Some Penaeid Prawns **5**, 83 (1970)
Lincoln, R.J.: A Laboratory Investigation into the Effects of Hydrostatic Pressure on the Vertical Migration of Planktonic Crustacea **6**, 5 (1970)
Lincoln, R.J., Gilchrist, I.: An Observational Pressure Vessel for Studying the Behaviour of Planktonic Animals **6**, 1 (1970)
Lind, J., see Fänge, R. **36**, 277 (1976)
Lind, J., see Lundblad, G., et al. **53**, 311 (1979)
Lind, J., see Fänge, R., et al. **53**, 317 (1979)
Lindbergh, J.M., see Harlin, M.M. **40**, 33 (1977)
Lindén, O.: Biological Effects of Oil on Early Development of the Baltic Herring *Clupea harengus membras* **45**, 273 (1978)
Lindén, O., Sharp, J.R., Laughlin, R., Jr., Neff, J.M.: Interactive Effects of Salinity, Temperature and Chronic Exposure to Oil on the Survival and Developmental Rate of Embryos of the Estuarine Killifish *Fundulus heteroclitus* **51**, 101 (1979)
Lindley, J.A.: Population Dynamics and Production of Euphausiids. I. *Thysanoessa*

longicaudata in the North Atlantic Ocean **46**, 121 (1978)
Lindley, J.A.: Continuous Plankton Records: The Occurrence of Apostome Ciliates (Protozoa) on Euphausiacea in the North Atlantic Ocean and North Sea **46**, 131 (1978)
Lindley, J.A.: Population Dynamics and Production of Euphausiids. II. *Thysanoessa inermis* and *T. raschi* in the North Sea and American Coastal Waters **59**, 225 (1980)
Lindley, J.A., Williams, R.: Plankton of the Fladen Ground During FLEX 76. II. Population Dynamics and Production of *Thysanoessa inermis* (Crustacea: Euphausiacea) **57**, 79 (1980)
Lindley, J.A., see Williams, R. **57**, 73 (1980)
Lindley, J.A., see Williams, R. **60**, 47 (1980)
Lindley, J.A., see Aiken, J., et al. **39**, 77 (1977)
Lindley, J.E., see Chapman, A.R.O. **57**, 1 (1980)
Liston, J., see Wiebe, W.J. **1**, 244 (1968)
Litchfield, C., Karol, R., Greenberg, A.J.: Compositional Topography of Melon Lipids in the Atlantic Bottlenosed Dolphin *Tursiops truncatus:* Implications for Echo-Location **23**, 165 (1973)
Litchfield, C., Karol, R., Mullen, M.E., Dilger, J.P., Lüthi, B.: Physical Factors Influencing Refraction of the Echolocative Sound Beam in Delphinid Cetaceans **52**, 285 (1979)
Litchfield, C., see Karol, R., et al. **47**, 115 (1978)
Litchfield, C.D., Floodgate, G.D.: Biochemistry and Microbiology of Some Irish Sea Sediments: II. Bacteriological Analyses **30**, 97 (1975)
Litchfield, C.D., Munro, A.L.S., Massie, L.C., Floodgate, G.D.: Biochemistry and Microbiology of Some Irish Sea Sediments: I. Amino-Acid Analyses **26**, 249 (1974)
Little, H.F., see Smith, A.C. **3**, 136 (1969)
Littlepage, J.L., see Dagg, M.J. **17**, 162 (1972)
Littler, M.M., Murray, S.N.: The Primary Productivity of Marine Macrophytes from a Rocky Intertidal Community **27**, 131 (1974)
Littler, M.M., Murray, S.N.: Impact of Sewage on the Distribution, Abundance and Community Structure of Rocky Intertidal Macro-Organisms **30**, 277 (1975)
Livingston, R.J.: Circadian Rhythms in the Respiration of Eight Species of Cardinal Fishes (Pisces: Apogonidae): Comparative Analysis and Adaptive Significance **9**, 253 (1971)
Livingston, R.J.: Impact of Kraft Pulp-Mill Effluents on Estuarine and Coastal Fishes in Apalachee Bay, Florida, USA **32**, 19 (1975)
Livingston, R.J., Thompson, N.P., Meeter, D.A.: Long-Term Variation of Organochlorine Residues and Assemblages of Epibenthic Organisms in a Shallow North Florida (USA) Estuary **46**, 355 (1978)
Livingston, R.J., see Stoner, A.W. **56**, 239 (1980)
Livingston, R.J., see Zimmerman, M.S. **34**, 297 (1976)
Livingstone, D.R., Widdows, J., Fieth, P.: Aspects of Nitrogen Metabolism of the Common Mussel *Mytilus edulis:* Adaptation to Abrupt and Fluctuating Changes in Salinity **53**, 41 (1979)
Lloyd, G.I., Morris, E.O.: An Apparatus for Measuring Microbial Growth or Survival in the Marine Environment **10**, 295 (1971)
Lloyd, M.C., see Hadfield, M.G., et al. **12**, 81 (1972)
Lobban, C.S., see Schmitz, K. **36**, 207 (1976)
Lockwood, J., see Kitching, J.A. **28**, 131 (1974)
Loeb, M.J.: The Effect of Light on Strobilation in the Chesapeake Bay Sea Nettle *Chrysaora quinquecirrha* **20**, 144 (1973)
Loeb, M.J., Walker, G.: Origin, Composition, and Function of Secretions from Pyriform Organs and Internal Sacs of Four Settling Cheilo-Ctenostome Bryozoan Larvae **42**, 37 (1977)
Loeb, V.J.: Larval Fishes in the Zooplankton Community of the North Pacific Central Gyre **53**, 173 (1979)
Loeb, V.J.: Patterns of Spatial and Species Abundance Within the Larval Fish Assemblage of the North Pacific Central Gyre During Late Summer **60**, 189 (1980)
Loftus, M.E., see McCarthy, J.J., et al. **24**, 7 (1974)
Logan, D.T., Epifanio, C.E.: A Laboratory Energy Balance for the Larvae and Juveniles of the American Lobster *Homarus americanus* **47**, 381 (1978)
Loi, T-n., Wilson, B.J.: Macroinfaunal Structure and Effects of Thermal Discharges in a Mesohaline Habitat of Chesapeake Bay, near a Nuclear Power Plant **55**, 3 (1979)
Long, E.R.: Studies of Marine Fouling and Boring off Kodiak Island, Alaska **14**, 52 (1972)
Long, E.R., Rucker, J.B.: Offshore Marine Cheilostome Bryozoa from Fort Lauderdale, Florida **6**, 18 (1970)
Lopez, E.: Algal Chloroplasts in the Protoplasm of Three Species of Benthic Foraminifera: Taxonomic Affinity, Viability and Persistence **53**, 201 (1979)
Lopez, G., Riemann, F., Schrage, M.: Feeding Biology of the Brackish-Water Oncholaimid Nematode *Adoncholaimus thalassophygas* **54**, 311 (1979)
Lopez, G.W.: Description of the Larval Stages of *Tisbe cucumariae* (Copepoda: Harpacticoida) and Comparative Development Within the Genus *Tisbe* **57**, 61 (1980)
Lopez, N.N., see Moore, H.B. **14**, 275 (1972)
Lord, H., see Brereton, A., et al. **19**, 96 (1973)
Lorenzen, S.: *Ixonema sordidum* gen. n., sp. n. (Microlaimidae, Nematoda) aus sublitoralem Grobsand bei Helgoland. [*Ixonema sordidum* gen. n., sp. n. (Microlaimidae, Nematoda) from Sublittoral Coarse Sand near Helgoland] **8**, 257 (1971)
Lorenzen, S.: Jugendstadien von *Desmoscolex*-Arten (Nematoda, Desmoscolecidae) und deren Bedeutung für die Taxonomie [Juvenile Stages of *Desmoscolex* Species (Nematoda, Desmoscolecidae) and Their Importance for Taxonomy] **10**, 343 (1971)
Lorri, W.S.M., see Mshigeni, K.E. **42**, 161 (1977)
Lorz, H.V., see Pearcy, W.G., et al. **51**, 1 (1979)
Losse, G.F., Merrett, N.R.: The Occurrence of *Oratosquilla investigatoris* (Crustacea: Stomatopoda) in the Pelagic Zone of the Gulf of Aden and the Equatorial Western Indian Ocean **10**, 244 (1971)
Louda, S.M.: Distribution, Movement and Diet of the Snail *Searlesia dira* in the Intertidal Community of San Juan Island, Puget Sound, Washington **51**, 119 (1979)
Lough, R.G., Gonor, J.J.: Early Embryonic Stages of *Adula californiensis* (Pelecypoda: Mytilidae) and the Effect of Temperature and Salinity on Developmental Rate **8**, 118 (1971)
Lough, R.G., Gonor, J.J.: A Response-Surface Approach to the Combined Effects of Temperature and Salinity on the Larval Development of *Adula californiensis* (Pelecypoda: Mytilidae). I. Survival and Growth of Three and Fifteen-Day Old Larvae **22**, 241 (1973)
Lough, R.G., Gonor, J.J.: A Response-Surface Approach to the Combined Effects of Temperature and Salinity on the Larval Development of *Adula californiensis* (Pelecypoda: Mytilidae). II. Long-Term Larval Survival and Growth in Relation to Respiration **22**, 295 (1973)
Lourie, A., see Ben-Yami, M., et al. **6**, 312 (1970)
Love, R.M., Lavéty, J.: Wateriness of White Muscle: A Comparison Between Cod *(Gadus morhua)* and Jelly Cat *(Lycichthys denticulatus)* **43**, 117 (1977)
Loveland, R.E., see Busch, D.A. **33**, 255 (1975)
Lovett, M.B., see Pentreath, R.J. **48**, 19 (1978)
Lowe, D.M., see Moore, M.N., et al. **48**, 297 (1978)
Lowe, J.I., Parrish, P.R., Patrick, J.M., Jr., Forester, J.: Effects of the Polychlorinated Biphenyl Aroclor® 1254 on the American Oyster *Crassostrea virginica* **17**, 209 (1972)
Lowry, L.F., Pearse, J.S.: Abalones and Sea Urchins in an Area Inhabited by Sea Otters **23**, 213 (1973)
Lowthion, D.: The Combined Effects of High Salinity and Temperature on the Survival of Young *Limanda limanda* **25**, 169 (1974)
Loya, Y.: Community Structure and Species Diversity of Hermatypic Corals at Eilat, Red Sea **13**, 100 (1972)
Loya, Y.: Possible Effects of Water Pollution on the Community Structure of Red Sea Corals **29**, 177 (1975)
Loya, Y., see Kashman, Y., et al. **55**, 255 (1980)
Lucas, J.S., Costlow, J.D., Jr.: Effects of Various Temperature Cycles on the Larval Development of the Gastropod Mollusc *Crepidula fornicata* **51**, 111 (1979)
Lucas, M.I., Walker, G., Holland, D.L., Crisp, D.J.: An Energy Budget for the Free-

Swimming and Metamorphosing Larvae of *Balanus balanoides* (Crustacea: Cirripedia) **55**, 221 (1979)
Luckhurst, B.E., Luckhurst, K.: Analysis of the Influence of Substrate Variables on Coral Reef Fish Communities **49**, 317 (1978)
Luckhurst, B.E., Luckhurst, K.: Diurnal Space Utilization in Coral Reef Fish Communities **49**, 325 (1978)
Luckhurst, K., see Luckhurst, B.E. **49**, 317 (1978)
Luckhurst, K., see Luckhurst, B.E. **49**, 325 (1978)
Lucu, Č.: Competitive Role of Calcium in Sodium Transport in the Crab *Carcinus mediterraneus* Acclimated to Low Salinities **18**, 140 (1973)
Lucu, Č., Jelisavčić, O., Lulić, S., Strohal, P.: Interactions of ^{233}Pa with Tissues of *Mytilus galloprovincialis* and *Carcinus mediterraneus* **2**, 103 (1969)
Lucu, Č., Jelisavčić, O., Ružić, I.: Kinetic Sodium Analyses in the Crab *Carcinus Mediterraneus* **5**, 294 (1970)
Lucu, Č., Siebers, D., Sperling, K.R.: Comparison of Osmoregulation Between Adriatic and North Sea *Carcinus* **22**, 85 (1973)
Lucu, Č., see Siebers, D., et al. **17**, 291 (1972)
Ludwig, D.F., see Ward, D.V., et al. **35**, 119 (1976)
Ludwig, P.D., see Shewbart, K.L., et al. **16**, 64 (1972)
Lüning, K.: Growth of Amputated and Dark-Exposed Individuals of the Brown Alga *Laminaria hyperborea* **2**, 218 (1969)
Lüning, K.: Standing Crop and Leaf Area Index of the Sublittoral *Laminaria* Species near Helgoland **3**, 282 (1969)
Lüning, K., Dring, M.J.: Reproduction, Growth and Photosynthesis of Gametophytes of *Laminaria saccharina* Grown in Blue and Red Light **29**, 195 (1975)
Lüning, K., Neushul, M.: Light and Temperature Demands for Growth and Reproduction of Laminarian Gametophytes in Southern and Central California **45**, 297 (1978)
Lüning, K., Schmitz, K., Willenbrink, J.: CO_2 Fixation and Translocation in Benthic Marine Algae. III. Rates and Ecological Significance of Translocation in *Laminaria hyperborea* and *L. saccharina* **23**, 275 (1973)
Lüthi, B., see Litchfield, C., et al. **52**, 285 (1979)
Lulić, S., see Lucu, Č., et al. **2**, 103 (19)
Lundblad, G., Fänge, R., Slettengren, K., Lind, J.: Lysozyme, Chitinase and Exo-N-Acetyl-β-D-Glucosaminidase (NAGase) in Lymphomyeloid Tissue of Marine Fishes **53**, 311 (1979)
Lundblad, G., see Fänge, R., et al. **36**, 277 (1976)
Lundblad, G., see Fänge, R., et al. **53**, 317 (1979)
Lundy, D.W., see DeManche, J.M., et al. **53**, 323 (1979)
Luoma, S.N.: Physiological Characteristics of Mercury Uptake by Two Estuarine Species **41**, 269 (1977)
Luquet, P., see Regnault, M. **25**, 291 (1974)
Luquet, P., see Sabaut, J.J. **18**, 50 (1973)
Lutz, R.A., Jablonski, D., Rhoads, D.C., Turner, R.D.: Larval Dispersal of a Deep-Sea Hydrothermal Vent Bivalve from the Galápagos Rift **57**, 127 (1980)
Lutz, R.A., see Incze, L.S., et al. **57**, 147 (1980)
Lyes, M.C.: Bioavailability of a Hydrocarbon from Water and Sediment to the Marine Worm *Arenicola marina* **55**, 121 (1979)
Lyons, A., see Spight, T.M. **24**, 77 (1974)
Lyons, A., see Spight, T.M., et al. **24**, 229 (1974)
Lytle, J.S., Lytle, T.F., Gearing, J.N., Gearing, P.J.: Hydrocarbons in Benthic Algae from the Eastern Gulf of Mexico **51**, 279 (1979)
Lytle, T.F., see Lytle, J.S., et al. **51**, 279 (1979)
Lytwyn, M.W., McDermott, J.J.: Incidence, Reproduction and Feeding of *Stylochus zebra*, a Polyclad Turbellarian Symbiont of Hermit Crabs **38**, 365 (1976)

M

Macdonald, A.G., Gilchrist, I.: Further Studies on the Pressure Tolerance of Deep-Sea Crustacea, with Observations Using a New High-Pressure Trap **45**, 9 (1978)
Macdonald, A.G., see Wilcock, S.E., et al. **45**, 1 (1978)
MacDonald, B.A., Thomas, M.L.H.: Age Determination of the Soft-Shell Clam *Mya arenaria* Using Shell Internal Growth Lines **58**, 105 (1980)
Macdonald-Brown, D.S., see Brown, C.M., et al. **31**, 7 (1975)
Machan, R., Fedra, K.: A New Towed Underwater Camera System for Wide-Range Benthic Surveys **33**, 75 (1975)
Machan, R., see Fedra, K. **55**, 239 (1979)
Machan, R., see Riedl, R.J. **13**, 179 (1972)
Machan, R., see Riedl, R.J., et al. **13**, 210 (1972)
MacInnes, J.R., see Calabrese, A., et al. **18**, 162 (1973)
MacInnes, J.R., see Calabrese, A., et al. **41**, 179 (1977)
MacInnes, J.R., see Nelson, D.A., et al. **43**, 293 (1977)
MacIntyre, I.G., see Rützler, K. **49**, 147 (1978)
MacIsaac, J.J., see Eppley, R.W., et al. **6**, 195 (1970)
Mackas, D., see Lewin, J. **16**, 171 (1972)
Mackie, A.M.: The Chemical Basis of Food Detection in the Lobster *Homarus gammarus* **21**, 103 (1973)
Mackie, A.M., Shelton, R.G.J.: A Whole-Animal Bioassay for the Determination of the Food Attractants of the Lobster *Homarus gammarus* **14**, 217 (1972)
Mackie, A.M., Singh, H.T., Fletcher, T.C.: Studies on the Cytolytic Effects of Seastar *(Marthasterias glacialis)* Saponins and Synthetic Surfactants in the Plaice *Pleuronectes platessa* **29**, 307 (1975)
Mackie, A.M., see Mayo, P. **38**, 41 (1976)
MacLeod, M.G.: Effects of Salinity on Food Intake, Absorption and Conversion in the Rainbow Trout *Salmo gairdneri* **43**, 93 (1977)
MacLeod, M.G.: Effects of Salinity on Fasted Rainbow Trout, *Salmo gairdneri* **43**, 103 (1977)
MacLeod, N., see Clarke, M.R. **59**, 241 (1980)
MacLeod, N., see Clarke, M.R., et al. **59**, 235 (1980)
Macpherson, E.: Ecological Overlap Between Macrourids in the Western Mediterranean Sea **53**, 149 (1979)
Madan Mohan Rao, G.: Influence of Activity and Salinity on the Weight-Dependent Oxygen Consumption of the Rainbow Trout *Salmo gairdneri* **8**, 205 (1971)
Madin, L.P.: Field Observations on the Feeding Behavior of Salps (Tunicata: Thaliacea) **25**, 143 (1974)
Madin, L.P., see Wiebe, P.H., et al. **53**, 249 (1979)
Maeda, M., Taga, N.: Deoxyribonuclease Activity in Seawater and Sediment **20**, 58 (1973)
Maestrini, S.Y., see Berland, B.R. **3**, 334 (1969)
Maestrini, S.Y., see Berland, B.R., et al. **2**, 350 (1969)
Maestrini, S.Y., see Berland, B.R., et al. **5**, 68 (1970)
Maestrini, S.Y., see Berland, B.R., et al. **7**, 82 (1970)
Maestrini, S.Y., see Berland, B.R., et al. **12**, 189 (1972)
Maestrini, S.Y., see Berland, B.R., et al. **13**, 338 (1972)
Maestrini, S.Y., see Berland, B.R., et al. **23**, 267 (1973)
Mague, F.C., see Mague, T.H., et al. **41**, 213 (1977)
Mague, T.H., Weare, N.M., Holm-Hansen, O.: Nitrogen Fixation in the North Pacific Ocean **24**, 109 (1974)
Mague, T.H., Mague, F.C., Holm-Hansen, O.: Physiology and Chemical Composition of Nitrogen-Fixing Phytoplankton in the Central North Pacific Ocean **41**, 213 (1977)
Mahdi, M.A.: Hematological Studies on Some Nile Fishes, *Tilapia nilotica, Lates niloticus,* and *Labeo niloticus* **15**, 359 (1972)
Mahdi, M.A.: Studies on Factors Affecting Survival of Nile Fish in the Sudan. I. The Effect of Hydrogen Ion Concentration **18**, 89 (1973)
Mahdi, M.A.: Studies on Factors Affecting Survival of Nile Fish in the Sudan. II. The Effect of Temperature **18**, 93 (1973)
Mahdi, M.A.: Studies on Factors Affecting Survival of Nile Fish in the Sudan. III. The Effect of Oxygen **18**, 96 (1973)
Mahen, L.C., see Dayton, P.K., et al. **39**, 361 (1977)
Mahmud Ahmad, Beardmore, J.A.: Genetic Evidence that the "Padstow Mussel" is *Mytilus galloprovincialis* **35**, 139 (1976)

Maier-Reimer, E., see Brockmann, U.H., et al. **43**, 1 (1977)
Mainoya, J.R.: Morphological and Histochemical Observations on the Nervous System of Two Sipunculid Species, *Siphonosoma australe* and *S. cumanense* **27**, 275 (1974)
Maita, Y., Yanada, M.: Particulate Protein in Coastal Waters, with Special Reference to Seasonal Variation **44**, 329 (1978)
Makarov, R.R.: Dominance of Larval Forms in Euphausiid (Crustacea: Eucarida) Ontogenesis **27**, 93 (1974)
Makarov, R.R.: Larval Distribution and Reproductive Ecology of *Thysanoessa macrura* (Crustacea: Euphausiacea) in the Scotia Sea **52**, 377 (1979)
Makarov, R.R., see Mileikovsky, S.A. **10**, 281 (1971)
Makarova, I.V., see Karayeva, N.I. **21**, 269 (1973)
Makarova, N.P., see Petipa, T.S. **3**, 191 (1969)
Makienko, V.F., see Saenko, G.N., et al. **34**, 169 (1976)
Makioka, A., Hirabayashi, T., Watanabe, H.: Distribution of Antigenic Sites Common to Vertebrate Tropomyosin in Tunicate Muscle **48**, 261 (1978)
Makioka, T., see Nishiwaka, S., et al. **32**, 389 (1975)
Malara, G., see Fenaux, L., et al. **30**, 239 (1975)
Malessa, P.: Beiträge zur Temperaturadaptation des Aales *(Anguilla vulgaris)*. III. Höhe und Verteilung der Aktivität von Succinodehydrogenase und Cytochromoxydase im Seitenmuskel juveniler und adulter Tiere. [Contributions to the Temperature Adaptation of the Eel *(Anguilla vulgaris)*. III. Intensity and Distribution of the Activity of Succinate Dehydrogenase and Cytochrome Oxidase in the Lateral Muscle of Juvenile and Adult Animals] **3**, 143 (1969)
Malley, D.F.: Degradation of Mangrove Leaf Litter by the Tropical Sesarmid Crab *Chiromanthes onychophorum* **49**, 377 (1978)
Mallon, M.H., see Armstrong, D.A., et al. **38**, 239 (1976)
Mallon, M.H., see Caldwell, R.S., et al. **48**, 11 (1978)
Malone, T.C.: Diurnal Rhythms in Netplankton and Nannoplankton Assimilation Ratios **10**, 285 (1971)
Malone, T.C.: Light-Saturated Photosynthesis by Phytoplankton Size Fractions in the New York Bight, USA **42**, 281 (1977)
Malone, T.C., Garside, C., Neale, P.J.: Effects of Silicate Depletion on Photosynthesis by Diatoms in the Plume of the Hudson River **58**, 197 (1980)
Mandelli, E.F., Burkholder, P.R., Doheny, T.E., Brody, R.: Studies of Primary Productivity in Coastal Waters of Southern Long Island, New York **7**, 153 (1970)
Mangold, K., Boletzky, S. von: New Data on Reproductive Biology and Growth of *Octopus vulgaris* **19**, 7 (1973)
Mangold, K., Boletzky, S. von, Frösch, D.: Reproductive Biology and Embryonic Development of *Eledone cirrosa* (Cephalopoda: Octopoda) **8**, 109 (1971)
Mangold, K., see Laubier-Bonichon, A. **29**, 45 (1975)
Mangold, K., see Young, R.E., et al. **53**, 69 (1979)
Mangum, C.P.: Temperature Sensitivity of Metabolism in Offshore and Intertidal Onuphid Polychaetes **17**, 108 (1972)
Mangum, C.P., Miyamoto, D.M.: The Relation Between Spontaneous Activity Cycles and Diurnal Rhythms of Metabolism in the Polychaetous Annelid *Glycera dibranchiata* **7**, 7 (1970)
Mangum, C.P., Santos, S.L., Rhodes, W.R., Jr.: Distribution and Feeding in the Onuphid Polychaete, *Diopatra cuprea* (Bosc) **2**, 33 (1968)
Mangum, C.P., Oakes, M.J., Shick, J.M.: Rate-Temperature Responses in Scyphozoan Medusae and Polyps **15**, 298 (1972)
Mangum, C.P., see Sassaman, C. **7**, 123 (1970)
Mann, K.H.: Ecological Energetics of the Seaweed Zone in a Marine Bay on the Atlantic Coast of Canada. I. Zonation and Biomass of Seaweeds **12**, 1 (1972)
Mann, K.H.: Ecological Energetics of the Sea-Weed Zone in a Marine Bay on the Atlantic Coast of Canada. II. Productivity of the Seaweeds **14**, 199 (1972)
Mann, K.H., see Breen, P.A. **34**, 137 (1976)
Mann, K.H., see Lang, C. **36**, 321 (1976)
Mann, K.H., see Miller, R.J. **18**, 99 (1973)
Mann, K.H., see Robertson, A.I. **59**, 63 (1980)
Mann, K.H., see Hatcher, B.G., et al. **44**, 85 (1977)
Manzi, J.J., Stofan, P.E., Dupuy, J.L.: Spatial Heterogeneity of Phytoplankton Populations in Estuarine Surface Microlayers **41**, 29 (1977)
Marais, J.F.K.: Routine Oxygen Consumption of *Mugil cephalus, Liza dumerili* and *L. richardsoni* at Different Temperatures and Salinities **50**, 9 (1978). Corrigendum Notice **51**, 193 (1979)
Marbach, A., Tsurnamal, M.: On the Biology of *Berthellina citrina* (Gastropoda: Opisthobranchia) and Its Defensive Acid Secretion **21**, 331 (1973)
Marcy, M., see Lang, W.H., et al. **58**, 139 (1980)
Mariscal, R.N.: The Nature of the Symbiosis Between Indo-Pacific Anemone Fishes and Sea Anemones **6**, 58 (1970)
Markle, D.F., Musick, J.A.: Benthic-Slope Fishes Found åt 900 m Depth Along a Transect in the Western N. Atlantic Ocean **26**, 225 (1974)
Marlow, J., see Bottoms, A. **50**, 127 (1979)
Marra, J.: Effect of Short-Term Variations in Light Intensity on Photosynthesis of a Marine Phytoplankter: A Laboratory Simulation Study **46**, 191 (1978). Corrigendum Notice **52**, 197 (1979)
Marra, J.: Phytoplankton Photosynthetic Response to Vertical Movement in a Mixed Layer **46**, 203 (1978). Corrigendum Notice **52**, 197 (1979)
Marsden, I.D.: The Influence of Salinity and Temperature on the Survival and Behaviour of the Isopod *Sphaeroma rugicauda* from a Salt-Marsh Habitat **21**, 75 (1973)
Marsden, I.D.: Effect of Temperature on the Microdistribution of the Isopod *Sphaeroma rugicauda* from a Saltmarsh Habitat **38**, 117 (1976)
Marsden, I.D.: Seasonal Oxygen Consumption of the Saltmarsh Isopod *Sphaeroma rugicauda* **51**, 329 (1979)
Marsden, I.D.: Effects of Constant and Cyclic Temperatures on the Salinity Tolerance of the Estuarine Sandhopper *Orchestia chiliensis* **59**, 211 (1980)
Marsh, H., see Denton, G.R.W., et al. **57**, 201 (1980)
Marshall, H.G.: Phytoplankton Distribution Along the Eastern Coast of the USA. I. Phytoplankton Composition **38**, 81 (1976)
Marshall, H.G.: Phytoplankton Distribution Along the Eastern Coast of the USA. Part II. Seasonal Assemblages North of Cape Hatteras, North Carolina **45**, 203 (1978)
Marshall, N.: Observations on Organic Aggregates in the Vicinity of Coral Reefs **2**, 50 (1968)
Marshall, N., Parrish, J., Gall, A.L.: A Technique for Collection of Particulate Organic Matter *in situ* **12**, 194 (1972)
Marshall, N., see Telek, G. **24**, 219 (1974)
Martens, P., see Gargas, E., et al. **52**, 113 (1979)
Martin, A.D., see Olla, B.L., et al. **45**, 369 (1978)
Martin, A.W., see Meenakshi, V.R., et al. **27**, 27 (1974)
Martin, D.F., see Doig, M.T., III **24**, 223 (1974)
Martin, D.F., see Kutt, E.C. **28**, 253 (1974)
Martin, D.F., see Eng-Wilmot, D.L., et al. **41**, 71 (1977)
Martin, J.H., Flegal, A.R.: High Copper Concentrations in Squid Livers in Association with Elevated Levels of Silver, Cadmium, and Zinc **30**, 51 (1975)
Martin, J.H., Elliott, P.D., Anderlini, V.C., Girvin, D., Jacobs, S.A., Risebrough, R.W., Delong, R.L., Gilmartin, W.G.: Mercury-Selenium-Bromine Imbalance in Premature Parturient California Sea Lions **35**, 91 (1976)
Martin, J.-L. M.: Etude de l'absorption, de la concentration et du métabolisme du strontium 85 chez le crustacé décapode *Carcinus maenas*. [Study of the Uptake, Concentration and Metabolism of Strontium 85 by the Decapod Crustacean *Carcinus maenas*] **12**, 154 (1972)
Martin, J.-L. M.: Metals in *Cancer irroratus* (Crustacea: Decapoda): Concentrations, Concentration Factors, Discrimination Factors, Correlations **28**, 245 (1974)
Martins, J.M., see Pitombeira, M.S., et al. **9**, 250 (1971)
Marumo, R., see Terazaki, M., et al. **41**, 119 (1977)
Marumo, R., see Mauchline, J., et al. **43**, 149 (1977)
Mary, R.F., Krishnan, G.: On the Nature and Role of Protein Constituents of the Cuticle

of Crustaceans in Relations to Permeability of the Cuticle **25**, 299 (1974)
Maslowski, J., see Radziejewska, T., et al. **23**, 111 (1973)
Mason, J., see Broom, M.J. **47**, 277 (1978)
Massé, H.: Quantitative Investigations of Sand-Bottom Macrofauna Along the Mediterra nean North-West Coast **15**, 209 (1972)
Massé, H., see Ansell, A.D., et al. **58**, 33 (1980)
Massé, H., see Ansell, A.D., et al. **58**, 41 (1980)
Massie, L.C., see Litchfield, C.D., et al. **26**, 249 (1974)
Masson, M.: Observations sur la nutrition des larves de *Mytilus galloprovincialis* avec des aliments inertes. [Observations on the Feeding of Larvae of *Mytilus galloprovincialis* with Inert Foods] **40**, 157 (1977)
Masson, M., see Guary, J.C., et al. **36**, 13 (1976)
Matera, N.J., Lee, J.J.: Environmental Factors Affecting the Standing Crop of Foraminifera in Sublittoral and Psammolittoral Communities of a Long Island Salt Marsh **14**, 89 (1972)
Mathieson, A.C., Norall, T.L.: Photosynthetic Studies of *Chondrus crispus* **33**, 207 (1975)
Mathieson, A.C., see Daly, M.A. **43**, 45 (1977)
Mathieson, A.C., see Fralick, R.A. **19**, 127 (1973)
Mathieson, A.C., see Fralick, R.A. **29**, 29 (1975)
Matlick, H.A., see Prézelin, B.B. **58**, 85 (1980)
Mattison, J.E., Trent, J.D., Shanks, A.L., Akin, T.B., Pearse, J.S.: Movement and Feeding Activity of Red Sea Urchins *(Strongylocentrotus franciscanus)* Adjacent to a Kelp Forest **39**, 25 (1977)
Mauchline, J.: The Hiatt Growth Diagram for Crustacea **35**, 79 (1976)
Mauchline, J., Aizawa, Y., Ishimaru, T., Nishida, S., Marumo, R.: Integumental Sensilla of Pelagic Decapod Crustaceans **43**, 149 (1977)
Mauchline, J., see Nemoto, T., et al. **36**, 151 (1976)
Maurer, D., Watling, L., Kinner, P., Leathem, W., Wether, C.: Benthic Invertebrate Assemblages of Delaware Bay **45**, 65 (1978)
Maurer, D., see Haines, J.L. **56**, 43 (1980)
Maurer, D., see Watling, L., et al. **52**, 207 (1979)
Mauzerall, D., see Mishkind, M. **56**, 261 (1980)
Mauzerall, D., see Ramus, J., et al. **37**, 223 (1976)
Mauzerall, D., see Ramus, J., et al. **37**, 231 (1976)
Maxwell, J.G.H., see Ralph, R. **42**, 171 (1977)
May, R.C.: Factors Affecting Buoyancy in the Eggs of *Bairdiella icistia* (Pisces: Sciaenidae) **28**, 55 (1974)
May, R.C., see Lasker, R., et al. **5**, 345 (1970)
Mayo, D., see Gilfillan, E.S., et al. **37**, 115 (1976)
Mayo, P., Mackie, A.M.: Studies of Avoidance Reactions in Several Species of Predatory British Seastars (Echinodermata: Asteroidea) **38**, 41 (1976)
Mayzaud, P.: Respiration and Nitrogen Excretion of Zooplankton. II. Studies of the Metabolic Characteristics of Starved Animals **21**, 19 (1973)
Mayzaud, P.: Respiration and Nitrogen Excretion of Zooplankton. IV. The Influence of Starvation on the Metabolism and the Biochemical Composition of Some Species **37**, 47 (1976)
Mayzaud, P., Dallot, S.: Respiration et excrétion azotée du zooplancton. I. Evaluation des niveaux métaboliques de quelques espèces de Mediterranée occidentale. [Respiration and Nitrogen Excretion of Zooplankton. I. Evaluation of the Metabolic Rates of Some Western Mediterranean Species] **19**, 307 (1973)
McAlice, B.J.: Observations on the Small-Scale Distribution of Estuarine Phytoplankton **7**, 100 (1970)
McCammon, H.M., Reynolds, W.A.: Experimental Evidence for Direct Nutrient Assimilation by the Lophophore of Articulate Brachiopods **34**, 41 (1976)
McCarthy, J.J., Rowland Taylor, W., Loftus, M.E.: Significance of Nanoplankton in the Chesapeake Bay Estuary and Problems Associated with the Measurement of Nanoplankton Productivity **24**, 7 (1974)
McCarthy, J.J., see Taft, J.L., et al. **33**, 21 (1975)
McCartney, B.S., see Rusby, J.S.M., et al. **22**, 271 (1973)
McClanahan, L.L., see Horn, M.H., et al. **46**, 335 (1978)
McCleave, J.D., Power, J.H.: Influence of Weak Electric and Magnetic Fields on Turning Behavior in Elvers of the American Eel *Anguilla rostrata* **46**, 29 (1978)
McClung, C.R., see Patriquin, D.G. **47**, 227 (1978)
McConnaughey, T., McRoy, C.P.: Food-Web Structure and the Fractionation of Carbon Isotopes in the Bering Sea **53**, 257 (1979)
McConnaughey, T., McRoy, C.P.: ^{13}C Label Identifies Eelgrass *(Zostera marina)* Carbon in an Alaskan Estuarine Food Web **53**, 263 (1979)
McCosker, J.E., Dawson, C.E.: Biotic Passage Through the Panama Canal, with Particular Reference to Fishes **30**, 343 (1975)
McCourt, S., see Kaplan, E.H., et al. **32**, 193 (1975)
McCoy, E.D., see Heck, K.L., Jr. **48**, 349 (1978)
McDaniel, N., Banse, K.: A Novel Method of Suspension Feeding by the Maldanid Polychaete *Praxillura maculata* **55**, 129 (1979)
McDermott, J.J., see Lytwyn, M.W. **38**, 365 (1976)
McEachran, J.D., Boesch, D.F., Musick, J.A.: Food Division Within Two Sympatric Species-Pairs of Skates (Pisces: Rajidae) **35**, 301 (1976)
McEnery, M.E., see Lee, J.J., et al. **4**, 44 (1969)
McFarland, W.N., see Moss, S.A. **5**, 100 (1970)
McIntosh, R., see Sargent, J.R. **25**, 271 (1974)
McIntosh, R., see Sargent, J.R., et al. **10**, 346 (1971)
McIntosh, R., see Sargent, J.R., et al. **46**, 315 (1978)
McIntosh, R., see Sargent, J.R., et al. **51**, 203 (1979)
McIntyre, A., see Okada, H. **54**, 319 (1979)
McKenney, C.L., Jr., Neff, J.M.: Individual Effects and Interactions of Salinity, Temperature, and Zinc on Larval Development of the Grass Shrimp *Palaemonetes pugio*. I. Survival and Developmental Duration Through Metamorphosis **52**, 177 (1979)
McKillup, S.C., Butler, A.J.: Cessation of Hole-Digging by the Crab *Helograpsus haswellianus:* A Resource-Conserving Adaptation **50**, 157 (1979)
McKittrick, F.A., see Courtenay, W.R., Jr. **7**, 131 (1970)
McLachlan, A., Winter, P.E.D., Botha, L.: Vertical and Horizontal Distribution of Sub-Littoral Meiofauna in Algoa Bay, South Africa **40**, 355 (1977)
McLachlan, J., see Edelstein, T. **30**, 305 (1975)
McLaren, I.A., see Hart, R.C. **45**, 23 (1978)
McLaren, I.A., see Sekiguchi, H., et al. **58**, 133 (1980)
McLusky, D.S., Nair, S.A., Stirling, A., Bhargava, R.: The Ecology of a Central West Indian Beach, with Particular Reference to *Donax incarnatus* **30**, 267 (1975)
McMaster, M.F., see Theilacker, G.H. **10**, 183 (1971)
McRoy, C.P., see Biebl, R. **8**, 48 (1971)
McRoy, C.P., see McConnaughey, T. **53**, 257 (1979)
McRoy, C.P., see McConnaughey, T. **53**, 263 (1979)
McWilliam, P.S., see Sale, P.F., et al. **34**, 59 (1976)
McWilliam, P.S., see Sale, P.F., et al. **49**, 133 (1978)
Meador, J.P., see Bernstein, B.B. **51**, 179 (1979)
Meadows, P.S., see Erdem, C. **56**, 233 (1980)
Meenakshi, V.R., Martin, A.W., Wilbur, K.M.: Shell Repair in *Nautilus macromphalus* **27**, 27 (1974)
Meeter, D.A., see Livingston, R.J., et al. **46**, 355 (1978)
Meincke, K.F.: Der Einfluß von Temperaturänderungen auf den Ionen- und Wassergehalt in Blutplasma und Geweben von *Tinca tinca*. [The Influence of Temperature Variations on the Ion and Water Content in Blood Plasma and Tissues of *Tinca tinca*] **6**, 281 (1970)
Meinel, W., see Schulte, E., et al. **11**, 61 (1971)
Menge, B.A.: Brood or Broadcast? The Adaptive Significance of Different Reproductive Strategies in the Two Intertidal Sea Stars *Leptasterias hexactis* and *Pisaster ochraceus* **31**, 87 (1975)
Menker, D.: Lebenszyklus, Jugendentwicklung und Geschlechtsorgane von *Rhabdomolgus ruber* (Holothuroidea: Apoda).

[Life-Cycle, Post-Embryonic Development and Conads of *Rhabdomolgus ruber* (Holothuroidea: Apoda)] **6**, 167 (1970)
Menon, N.R.: Species of the Genus *Parasmittina* (Bryozoa, Ascophora) from Indian Waters **14**, 72 (1972)
Menon, N.R.: Heat Tolerance, Growth and Regeneration in Three North Sea Bryozoans Exposed to Different Constant Temperatures **15**, 1 (1972)
Menon, N.R.: Clearance Rates of Food Suspension and Food Passage Rates as a Function of Temperature in Two North-Sea Bryozoans **24**, 65 (1974)
Menon, N.R., Nair, N.B.: Ecology of Fouling Bryozoans in Cochin Waters **8**, 280 (1971)
Menon, N.R., Katti, R.J., Shetty, H.P.C.: Biology of Marine Fouling in Mangalore Waters **41**, 127 (1977)
Menshutkin, V.V., see Golikov, A.N. **20**, 6 (1973)
Menshuthin, V.V., see Vinogradov, M.E., et al. **16**, 261 (1972)
Menzel, D.W., see Hobson, L.A., et al. **19**, 298 (1973)
Menzies, R.J.: Experimental Interbeeding Between Geographically Separated Populations of the Marine Wood-Boring Isopod *Limnoria tripunctata* with Preliminary Indications of Hybrid Vigor **17**, 149 (1972)
Menzies, R.J., George, R.Y.: Temperature Effects on Behavior and Survival of Marine Invertebrates Exposed to Variations in Hydrostatic Pressure **13**, 155 (1972)
Menzies, R.J., see Paul, A.Z. **27**, 251 (1974)
Merrett, N.R., Roe, H.S.J.: Patterns and Selectivity in the Feeding of Certain Mesopelagic Fishes **28**, 115 (1974)
Merrett, N.R., see Losse, G.F. **10**, 244 (1971)
Meter, V.B. Van, Ache, B.W.: Host Location by the Pearlfish *Carapus bermudensis* **26**, 379 (1974)
Meyer, D.L.: The Collagenous Nature of Problematical Ligaments in Crinoids (Echinodermata) **9**, 235 (1971)
Meyer, D.L.: Feeding Behavior and Ecology of Shallow-Water Unstalked Crinoids (Echinodermata) in the Caribbean Sea **22**, 105 (1973)
Meyer, D.L.: Length and Spacing of the Tube Feet in Crinoids (Echinodermata) and Their Role in Suspension-Feeding **51**, 361 (1979)
Meyer-Reil, L.-A.: Uptake of Glucose by Bacteria in the Sediment **44**, 293 (1978)
Meyer-Reil, L.-A., Dawson, R., Liebezeit, G., Tiedge, H.: Fluctuations and Interactions of Bacterial Activity in Sandy Beach Sediments and Overlying Waters **48**, 161 (1978)
Meyer-Rochow, V.B.: The Lateral-Line Organs of the Larvae of the Deep-Sea Fish *Cataetyx memorabilis* (Ophidiidae): A Scanning-Electron and Light-Microscope Study **12**, 272 (1972)
Meyer-Rochow, V.B.: Some Observations on Spawning and Fecundity in the Luminescent Fish *Photoblepharon palpebratus* **37**, 325 (1976)
Meyer-Rochow, V.B.: Skin Papillae as Possible Electroreceptors in the Deep-Sea Eel *Cyema atrum* (Cyemidae: Anguilloidei) **46**, 277 (1978)
Meyers, P.A., Porter, J.W., Chad, R.L.: Depth Analysis of Fatty Acids in Two Caribbean Reef Corals **9**, 197 (1978)
Meyers, S.P., Scott, E.: Cellulose Degradation by *Lulworthia floridana* and Other Lignicolous Marine Fungi **2**, 41 (1968)
Meyers, S.P., Ahearn, D.G., Gunkel, W., Roth, F.J., Jr.: Yeasts from the North Sea **1**, 118 (1967)
Meyers, S.P., Hopper, B.E., Cefalu, R.: Ecological Investigations of the Marine Nematode *Metoncholaimus scissus* **6**, 43 (1970)
Meyers, S.P., see Ahearn, D.G. et al. **1**, 291 (1968)
Meyers, S.P., see Hopper, B.E. **1**, 85 (1967)
Michel, A., Grandperrin, R.: Sélection du chalut pélagique Isaacs-Kidd 10 pieds. [Selection of the 10-Foot Isaacs-Kidd Midwater Trawl] **6**, 200 (1970)
Michel, A., Grandperrin, R.: Traitement des récoltes micronectoniques. [Treatment of Micronekton Collections] **8**, 238 (1971)
Michel, A., see Grandperrin, R. **4**, 139 (1969)
Michel, A., see Grandperrin, R. **7**, 273 (1970)
Michel, C.: Tissular Localization of the Digestive Proteases in the Sedentary Polychaetous Annelid *Sabellaria alveolata* **44**, 265 (1977)
Michel, C., Imhoff, J.-M.: Localization and Biochemical Characterization of Pharyngeal Protease in the Polychaetous Annelid *Glycera convoluta* **32**, 343 (1975)
Middaugh, D.P., Lempesis, P.W.: Laboratory Spawning and Rearing of a Marine Fish, the Silverside *Menidia menidia menidia* **35**, 295 (1976)
Middaugh, D.P., Dean, J.M., Domey, R.G., Floyd, G.: Effect of Thermal Stress and Total Residual Chlorination on Early Life Stages of the Mummichog *Fundulus heteroclitus* **46**, 1 (1978)
Mies, W.L., see Shewbart, K.L., et al. **16**, 64 (1972)
Mihursky, J.A., see Holland, A.F., et al. **57**, 221 (1980)
Mileikovsky, S.A.: Distribution of Pelagic Larvae of Bottom Invertebrates of the Norwegian and Barents Seas **1**, 161 (1968)
Mileikovsky, S.A.: Seasonal and Daily Dynamics in Pelagic Larvae of Marine Shelf Bottom Invertebrates in Nearshore Waters of Kandalaksha Bay (White Sea) **5**, 180 (1970)
Mileikovsky, S.A.: Breeding and Larval Distribution of the Pteropod *Clione limacina* in the North Atlantic, Subarctic and North Pacific Oceans **6**, 317 (1970)
Mileikovsky, S.A.: The Influence of Pollution on Pelagic Larvae of Bottom Invertebrates in Marine Nearshore and Estuarine Waters **6**, 350 (1970)
Mileikovsky, S.A.: Types of Larval Development in Marine Bottom Invertebrates, Their Distribution and Ecological Significance: A Re-Evaluation **10**, 193 (1971)
Mileikovsky, S.A.: In Memoriam of Member-Correspondent of the Academy of Sciences of USSR Veniamin (Benjamen) Grigor'evitch Bogorov **12**, 261 (1972)
Mileikovsky, S.A.: The "Pelagic Larvaton" and Its Role in the Biology of the World Ocean, with Special Reference to Pelagic Larvae of Marine Bottom Invertebrates **16**, 13 (1972)
Mileikovsky, S.A.: In Memoriam of Professor Vasilij (Basil) Nikitich Nikitin **18**, 87 (1973)
Mileikovsky, S.A.: Speed of Active Movement of Pelagic Larvae of Marine Bottom Invertebrates and Their Ability to Regulate Their Vertical Position **23**, 11 (1973)
Mileikovsky, S.A.: On Predation of Pelagic Larvae and Early Juveniles of Marine Bottom Invertebrates by Adult Benthic Invertebrates and Their Passing Alive Through Their Predators **26**, 303 (1974)
Mileikovsky, S.A.: Types of Larval Development in Littorinidae (Gastropoda: Prosobranchia) of the World Ocean, and Ecological Patterns of Their Distribution **30**, 129 (1975)
Mileikovsky, S.A., Makarov, R.R.: In Memoriam of Professor Yakov Avad'evitch Birstein **10**, 281 (1971)
Mileikovsky, S.A., see Belyaev, G.A. **11**, 299 (1971)
Millar, R.H.: A Note on the Breeding Season of Three Ascidians on Coral Reefs at Galeta in the Caribbean Sea **28**, 127 (1974)
Millemann, R.E., see Armstrong, D.A. **28**, 11 (1974)
Millemann, R.E., see Armstrong, D.A., et al. **38**, 239 (1976)
Millemann, R.E., see Caldwell, R.S., et al. **48**, 11 (1978)
Miller, C.B., see Frolander, H.F., et al. **21**, 277 (1973)
Miller, C.B., see Sullivan, B.K., et al. **30**, 175 (1975)
Miller, D., Brown, C.M., Pearson, T.H., Stanley, S.O.: Some Biologically Important Low Molecular Weight Organic Acids in the Sediments of Loch Eil **50**, 375 (1979)
Miller, D.C., see Lang, W.H., et al. **58**, 139 (1980)
Miller, J.E., see Calabrese, A., et al. **41**, 179 (1977)
Miller, J.M., see Leis, J.M. **36**, 359 (1979)
Miller, K.I., Pritchard, A.W., Rutledge, P.S.: Respiratory Regulation and the Role of the Blood in the Burrowing Shrimp *Callianassa californiensis* (Decapoda: Thalassinidea) **36**, 233 (1976)
Miller, R.J., Mann, K.H.: Ecological Energetics of the Seaweed Zone in a Marine Bay on the Atlantic Coast of Canada. III. Energy Transformation by Sea Urchins **18**, 99 (1973)
Miller, R.L.: Sperm Chemotaxis in the Hydromedusae. I. Species-Specificity and Sperm Behavior **53**, 99 (1979)
Miller, R.L.: Sperm Chemotaxis in the Hydromedusae. II. Some Chemical Properties of the Sperm Attractants **53**, 115 (1979)
Mills, A., Fish, J.D.: Effects of Salinity and Temperature on *Corophium volutator* and *C. arenarium* (Crustacea: Amphipoda),

with Particular Reference to Distribution **58**, 153 (1980)
Mills, E.L., Fournier, R.O.: Fish Production and the Marine Ecosystems of the Scotian Shelf, Eastern Canada **54**, 101 (1979)
Minas, H.J.: La distribution de l'oxygène en relation avec la production primaire en Méditerranée Nord-Occidentale. [The Distribution of Oxygen in Relation to the Primary Production in the North East Mediterranean] **7**, 181 (1970)
Minas, H.J., see Laborde, P.L. **25**, 203 (1974)
Minas, H.J., see Blanc, F., et al. **1**, 43 (1967)
Minas, H.J., see Coste, B., et al. **16**, 320 (1972)
Minas, H.J., see Jacques, G., et al. **23**, 251 (1973)
Minas, H.J., see Berland, B.R., et al. **23**, 267 (1973)
Minas, M.: Production organique primaire dans un milieu saumâtre eutrophe (Etang de Berre). Effets d'une forte dilution (dérivation des eaux de la Durance). [Primary Organic Production in a Brackish Eutrophic Environment (Etang de Berre). Effects of Strong Dilution (Diversion of the Waters of the Durance)] **35**, 13 (1976)
Minas, M., see Jacques, G., et al. **23**, 251 (1973)
Minasien, L.L., Jr., see Sulkin, S.D., et al. **32**, 113 (1975)
Miramand, P., Guary, J.C., Fowler, S.W.: Vanadium Transfer in the Mussel *Mytilus galloprovincialis* **56**, 281 (1980)
Mirkes, D.Z., Vernberg, W.B., DeCoursey, P.J.: Effects of Cadmium and Mercury on the Behavioral Responses and Development of *Eurypanopeus depressus* Larvae **47**, 143 (1978)
Mishkind, M., Mauzerall, D.: Kinetic Evidence for a Common Photosynthetic Step in Diverse Seaweeds **56**, 261 (1980)
Mitamura, O., Saijo, Y.: Decomposition of Urea Associated with Photosynthesis of Phytoplankton in Coastal Waters **30**, 67 (1975)
Mitamura, O., Saijo, Y.: *In situ* Measurement of the Urea Decomposition Rate and Its Turnover Rate in the Pacific Ocean **58**, 147 (1980)
Mitchell, J.G., see Silver, M.W., et al. **58**, 211 (1980)
Mitchell, K.A.: Shell Selection in the Hermit Crab *Pagurus bernhardus* **35**, 335 (1976)
Mitchell, R., see Sleeter, T.D., et al. **45**, 329 (1978)
Mitchell-Innes, B., see Smayda, T.J. **25**, 195 (1974)
Miyamoto, D.M., see Mangum, C.P. **7**, 7 (1970)
Miyawaki, H., see Ando, T., et al. **50**, 169 (1979)
Mizue, K., see Teshima, K. **14**, 222 (1972)
Mladenov, P.V.: Unusual Lecithotrophic Development of the Caribbean Brittle Star *Ophiothrix oerstedi* **55**, 55 (1979)
Moav, B., see Kidron, J., et al. **14**, 260 (1972)
Mock, C.R., see Clark, W.H., Jr., et al. **22**, 353 (1973)
Moebus, K.: Seasonal Changes in Antibacterial Activity of North Sea Water **13**, 1 (1972)
Moebus, K.: The Influence of Storage on Antibacterial Activity of Sea Water. I. Experiments with Sea Water Stored at 18 °C **13**, 346 (1972)
Moebus, K.: Bactericidal Properties of Natural and Synthetic Sea Water as Influenced by Addition of Low Amounts of Organic Matter **15**, 81 (1972)
Moebus, K., Johnson, K.M.: Exudation of Dissolved Organic Carbon by Brown Algae **26**, 117 (1974)
Moebus, K., Johnson, K.M., Sieburth, J.McN.: Rehydration of Desiccated Intertidal Brown Algae: Release of Dissolved Organic Carbon and Water Uptake **26**, 127 (1974)
Møhlenberg, F., Riisgård, H.U.: Filtration Rate, Using a New Indirect Technique, in Thirteen Species of Suspension-Feeding Bivalves **54**, 143 (1979)
Møhlenberg, F., see Riisgård, H.U. **52**, 61 (1979)
Möller, F., see Bernhard, M., et al. **20**, 109 (1973)
Möller, H.: Population Dynamics of *Aurelia aurita* Medusae in Kiel Bight, Germany (FRG) **60**, 123 (1980)
Möller, H., Béress, L.: Effect on Fishes of Two Toxic Polypeptides Isolated from *Anemonia sulcata* **32**, 189 (1975)
Moguilevsky, A., Angel, M.V.: Halocyprid Ostracods in Atlantic Neuston **32**, 295 (1975)
Moitoza, D.J., Phillips, D.W.: Prey Defense, Predator Preference, and Nonrandom Diet: The Interactions Between *Pycnopodia helianthoides* and Two Species of Sea Urchins **53**, 299 (1979)
Moll, R.A.: Phytoplankton in a Temperate-Zone Salt Marsh: Net Production and Exchanges with Coastal Waters **42**, 109 (1977)
Momzikoff, A., see Gaill, F. **29**, 315 (1975)
Monroe, R.J., see Christiansen, M.E., et al. **39**, 269 (1977)
Monroe, R.J., see Christiansen, M.E., et al. **39**, 281 (1977)
Monroe, R.J., see Christiansen, M.E., et al. **50**, 29 (1978)
Monte, T. de, Pilleri, G.: Electrophoretic Mobility of Hemoglobin in *Delphinus delphis*, and Observations on Plasmaprotein Fractions in Some Species of the Family Delphinidae **1**, 178 (1968)
Monte, T. de, Pilleri, G.: Plasmaproteins and Some Hematochemical Data Related to *Grampus griseus* (Cetacea, Delphinidae) of the Western Mediterranean **1**, 182 (1968)
Monteiro, J.D.C., see Barlow, J.P. **53**, 335 (1979)
Moon, T.W., see Hulbert, W.C., et al. **36**, 217 (1976)
Moon, T.W., see Hulbert, W.C., et al. **36**, 223 (1976)
Moorcroft, J., see Grenon, J.-F., et al. **53**, 381 (1979)
Moore, E., see Sander, F. **55**, 17 (1979)
Moore, H.B.: An Estimate of Carbonate Production by Macrobenthos in Some Tropical, Soft-Bottom Communities **17**, 145 (1972)
Moore, H.B., Lopez, N.N.: Factors Controlling Variation in the Seasonal Spawning Pattern of *Lytechinus variegatus* **14**, 275 (1972)
Moore, H.J.: The Structure of the Latero-Frontal Cirri on the Gills of Certain Lamellibranch Molluscs and Their Role in Suspension Feeding **11**, 23 (1971)
Moore, M.N., Lowe, D.M., Fieth, P.E.M.: Lysosomal Responses to Experimentally Injected Anthracene in the Digestive Cells of *Mytilus edulis* **48**, 297 (1978)
Moore, S.L., see Davey, J.T., et al. **45**, 319 (1978)
Mopper, K., see Hecky, R.E., et al. **19**, 323 (1973)
Moraitou-Apostolopoulou, M.: Variability of Some Morpho-Ecological Factors in Six Pelagic Copepods from the Aegean Sea **3**, 1 (1969)
Moraitou-Apostolopoulou, M.: Vertical Distribution, Diurnal and Seasonal Migration of Copepods in Saronic Bay, Greece **9**, 92 (1971)
Moraitou-Apostolopoulou, M., Kiortsis, V.: The Cladocerans of the Aegean Sea: Occurrence and Seasonal Variation **20**, 137 (1973)
Moran, M.J., Sale, P.F.: Seasonal Variation in Territorial Response, and Other Aspects of the Ecology of the Australian Temperate Pomacentrid Fish *Parma microlepis* **39**, 121 (1977)
Moran, Sh., Fishelson, L.: Predation of a Sand-Dwelling Mysid Crustacean *Gastrosaccus Sanctus* by Plover Birds (Charadriidae) **9**, 63 (1971)
Mordukhai-Boltovskoi, Ph.D., Rivier, I.K.: A Brief Survey of the Ecology and Biology of the Caspian Polyphemoidea **8**, 160 (1971)
Moreira, G.S., Vernberg, W.B.: Comparative Thermal Metabolic Patterns in *Euterpina acutifrons* Dimorphic Males **1**, 282 (1968)
Moreira, G.S., Yamashita, C.: *Aglauropsis kawari* (Limnomedusae: Olindiasidae), a new Species from the South Atlantic Ocean **14**, 271 (1972)
Morgan, R.P., II, Kramarsky, E., Sulkin, S.D.: Biochemical Changes During Larval Development of the Xanthid Crab *Rhithropanopeus harrisii*. III. Isozyme Changes During Ontogeny **48**, 223 (1978)
Morgan, R.P., II, see Frank, J.R., et al. **32**, 105 (1975)
Morgan, R.P., II, see Sulkin, S.D., et al. **32**, 113 (1975)
Mori, K.: Effects of Artificial Eutrophication on the Metabolism of the Japanese Oyster *Crassostrea gigas* **53**, 361 (1979)
Mori, Y., see Hirata, H., et al. **29**, 9 (1975)
Moriarty, D.J.W.: Biomass of Suspended Bacteria over Coral Reefs **53**, 193 (1979)
Morita, R.Y., see Goodrich, T.D. **41**, 349 (1977)
Morita, R.Y., see Goodrich, T.D. **41**, 355 (1977)
Morita, R.Y., see Griffiths, R.P. **23**, 177 (1973)
Morita, R.Y., see Hayasaka, S.S. **49**, 1 (1978)

Morita, R.Y., see Novitsky, J.A. **48**, 289 (1978)
Morita, R.Y., see Novitsky, J.A. **49**, 7 (1978)
Moritz, K., Storch, V.: Über den ultrastrukturellen Bau der Skaliden von *Trachydemus giganteus* (Kinorhyncha). [On the Ultrastructural Morphology of the Scalids of *Trachydemus giganteus* (Kinorhyncha)] **16**, 81 (1972)
Morris, E.O., see Lloyd, G.I. **10**, 295 (1971)
Morris, I., Glover, H.E.: Questions on the Mechanism of Temperature Adaptation in Marine Phytoplankton **24**, 147 (1974)
Morris, I., Skea, W.: Products of Photosynthesis in Natural Populations of Marine Phytoplankton from the Gulf of Maine **47**, 303 (1978)
Morris, I., Glover, H.E., Yentsch, C.S.: Products of Photosynthesis by Marine Phytoplankton: The Effect of Environmental Factors on the Relative Rates of Protein Synthesis **27**, 1 (1974)
Morris, I., see Beardall, J. **37**, 377 (1976)
Morris, I., see Mukerji, D. **36**, 199 (1976)
Morris, R.J.: The Occurrence of Wax Esters in Crustaceans from the North-East Atlantic Ocean **16**, 102 (1972)
Morris, R.J., Sargent, J.R.: Studies on the Lipid Metabolism of Some Oceanic Crustaceans **22**, 77 (1973)
Morris, R.J., see Sargent, J.R., et al. **46**, 315 (1978)
Morris, R.W., see Potts, D.C. **1**, 269 (1968)
Morrison, G., Jackim, E., Bonatti, K.: Use of an Inert Radioactive Particle for Measuring Particle Accumulation by Filter-Feeding Bivalve Molluscs **40**, 51 (1977)
Morrison, G., see Jackim, E., et al. **40**, 303 (1977)
Morrison, G., see Zaroogian, G.E., et al. **52**, 189 (1979)
Morrison, S.J., King, J.D., Bobbie, R.J., Bechtold, R.E., White, D.C.: Evidence for Microfloral Succession on Allochthonous Plant Litter in Apalachicola Bay, Florida, USA **41**, 229 (1977)
Moskovits, G., Foelsche, K.: Application of the Fluorescent Antibody Technique to the Identification of Marine Pseudomonads: A Preliminary Study **5**, 57 (1970)
Moss, S.A., McFarland, W.N.: The Influence of Dissolved Oxygen and Carbon Dioxide on Fish Schooling Behavior **5**, 100 (1970)
Moss, S.T., see Jones, E.B.G. **49**, 11 (1978)
Motoda, S., Kawamura, T., Taniguchi, A.: Differences in Productivities Between the Great Australian Bight and the Gulf of Carpentaria, Australia, in Summer **46**, 93 (1978)
Motzfeld, V., see Oertzen, J.A. von **3**, 336 (1969)
Mouëza, M., see Frenkiel, L. **55**, 187 (1979)
Moulder, S.M.: Combined Effect of the Chlorides of Mercury and Copper in Sea Water on the Euryhaline Amphipod *Gammarus duebeni* **59**, 193 (1980)
Mountford, N.K., see Holland, A.F., et al. **57**, 221 (1980)
Movchan, O.T., see Leibson, N.L. **31**, 175 (1975)
Mshigeni, K.E.: Effects of the Environment on Developmental Rates of Sporelings of Two *Hypnea* Species (Rhodophyta: Gigartinales) **36**, 99 (1976)
Mshigeni, K.E.: The Morphology and Distribution Ecology of *Corynomorpha prismatica:* A Red Seaweed of Potential Economic Significance in Southeast Tanzania **42**, 157 (1977)
Mshigeni, K.E., Lorri, W.S.M.: Spore Germination and Early Stages of Development in *Hypnea musciformis* (Rhodophyta, Gigartinales) **42**, 161 (1977)
Mshigeni, K.E., see Semesi, A.K. **42**, 165 (1977)
Muchmore, D., Eppel, D.: The Effects of Chlorination of Wastewater on Fertilization in Some Marine Invertebrates **19**, 93 (1973)
Müller, W.E.G., see Breter, H.-J., et al. **40**, 1 (1977)
Müller, W.E.G., see Kurelec, B., et al. **44**, 211 (1977)
Mukai, H.: The Phytal Animals on the Thalli of *Sargassum serratifolium* in the *Sargassum* Region, with Reference to Their Seasonal Fluctuations **8**, 170 (1971)
Mukai, H., Watanabe, H.: Shedding of Gametes in the Compound Ascidian *Botryllus primigenus* **39**, 311 (1977)
Mukerji, D., Morris, I.: Photosynthetic Carboxylating Enzymes in *Phaeodactylum tricornutum:* Assay Methods and Properties **36**, 199 (1976)
Mullen, M.E., see Litchfield, C., et al. **52**, 285 (1979)
Muller, W.A.: Competition for Food and Other Niche-Related Studies of Three Species of Salt-Marsh Foraminifera **31**, 339 (1975)
Muller, W.A., see Lee, J.J., et al. **4**, 44 (1969)
Mullin, M.M., see Blumer, M., et al. **6**, 226 (1970)
Munda, I.M., Kremer, B.P.: Chemical Composition and Physiological Properties of Fucoids Under Conditions of Reduced Salinity **42**, 9 (1977)
Munro, A.L.S., see Litchfield, C.D., et al. **26**, 249 (1974)
Munroe, T.A., see Campbell, R.A., et al. **57**, 301 (1980)
Munson, D.A.: Simplified Method for the Determination of Acid-Soluble Sulfides in Marine Sediments **40**, 145 (1977)
Murakami, Y., see Guary, J.C., et al. **29**, 335 (1975)
Murchelano, R.A., Brown, C.: Heterotrophic Bacteria in Long Island Sound **7**, 1 (1970)
Murray, S.N., see Littler, M.M. **27**, 131 (1974)
Murray, S.N., see Littler, M.M. **30**, 277 (1975)
Murugapoopathy, G., see Kutty, M.N., et al. **11**, 125 (1971)
Muscatine, L., Pool, R.R., Cernichiari, E.: Some Factors Influencing Selective Release of Soluble Organic Material by Zooxanthellae from Reef Corals **13**, 298 (1972)
Muscatine, L., see Greene, R.W. **14**, 253 (1972)
Muscatine, L., see Vandermeulen, J.H., et al. **16**, 185 (1972)
Musick, J.A., see Markle, D.F. **26**, 225 (1974)
Musick, J.A., see Sedberry, G.R. **44**, 357 (1978)
Musick, J.A., see McEachran, J.D., et al. **35**, 301 (1976)
Mustaquim, J., see Ahmend, M. **26**, 173 (1974)
Myers, A.C.: Tube-Worm-Sediment Relationships of *Diopatra cuprea* (Polychaeta: Onuphidae) **17**, 350 (1972)
Myers, S.C., see Frolander, H.F., et al. **21**, 277 (1973)
Myklestad, S., see Haug, A. **34**, 217 (1976)
Myrberg, A.A., Jr., Banner, A., Richard, J.D.: Shark Attraction Using a Video-Acoustic System **2**, 264 (1969)
Myren, R.T., Pella, J.J.: Natural Variability in Distribution of an Intertidal Population of *Macoma balthica* Subject to Potential Oil Pollution at Port Valdez, Alaska **41**, 371 (1977)

N

Naeve, H.: Die Endigung afferenter Fasern der Seitenliniennerven im Mittelhirn des Dorsches *Gadus morhua.* [The Termination of Afferent Fibres of the Lateral-Line Nerves in the Mesencephalon of the Cod *Gadus morhua*] **1**, 257 (1968)
Nagai, S., see Nagai, Y. **18**, 55 (1973)
Nagai, Y., Kaneko, K.: Culture Experiments on the Sea Urchin *Strongylocentrotus pulcherrimus* Fed an Artificial Diet **29**, 105 (1975)
Nagai, Y., Nagai, S.: Feeding Factors for the Sea Anemone *Anthopleura midorii* **18**, 55 (1973)
Nagell, B., Notini, M., Grahn, O.: Toxicity of Four Oil Dispersants to Some Animals from the Baltic Sea **28**, 237 (1974)
Naidu, J.R., see Cutshall, N.H., et al. **40**, 75 (1977)
Naidu, J.R., see Cutshall, N.H., et al. **44**, 195 (1977)
Nair, N.B., see Menon, N.R. **8**, 280 (1971)
Nair, N.B., see Pillay, K.K. **18**, 167 (1973)
Nair, S.A., see McLusky, D.S., et al. **30**, 267 (1975)
Nakahara, H., Nakamura, Y.: Parthenogenesis, Apogamy and Apospory in *Alaria crassifolia* (Laminariales) **18**, 327 (1973)
Nakamura, R.: Experimental Assessment of Factors Influencing Microhabitat Selection by the Two Tidepool Fishes *Oligocottus maculosus* and *O. snyderi* **37**, 97 (1976)
Nakamura, Y., see Nakahara, H. **18**, 327 (1973)
Narasimhan, T., Krishnamoorthy, R.V.: Carbohydrate Metabolism in the Leg Muscles of the Fresh-Water Field Crab *Paratelphusa hydrodromous* Adapted to High Salinities **30**, 167 (1975)
Narayanan, B., see Trevallion, A., et al. **6**, 268 (1970)
Narayanan, B., see Ansell, A.D., et al. **17**, 38 (1972)

Narayanan, B., see Ansell, A.D., et al. **17**, 311 (1972)
Narayanan, B., see Ansell, A.D., et al. **17**, 318 (1972)
Narchi, W.: On the Functional Morphology of *Hiatella solida* (Hiatellidae: Bivalvia) **19**, 332 (1973)
Narchi, W.: Functional Morphology of *Petricola (Rupellaria) typica* (Bivalvia: Petricolidae) **27**, 123 (1974)
Narchi, W., Hebling, N.J.: The Life Cycle of the Commensal Hydromedusa *Eutima sapinhoa* n. sp. **30**, 73 (1975)
Nassogne, A., see Bernhard, M., et al. **20**, 109 (1973)
Nassogne, A., see Zurlini, G., et al. **46**, 59 (1978)
Natarajan, R., see Chandramohan, D., et al. **27**, 89 (1974)
Natoli, J., see Dunstan, W.M., et al. **31**, 305 (1975)
Naughton, S.P., see Saloman, C.H. **42**, 357 (1977)
Navas, D.: *Halistaura bruuni* sp. nov. (Leptomedusae, Mitrocomidae) with Notes on Its Distribution and Ecology **2**, 307 (1969)
Navas, D.: Medusa Buds on *Eirene elliceana* Gonads (Leptomedusae, Eirenidae) **16**, 210 (1972)
Naveh, N., see Kashman, Y., et al. **55**, 255 (1980)
Naylor, E., see Hammond, R.D. **39**, 253 (1977)
Neal, R.A., see Clark, W.H., Jr., et al. **22**, 353 (1973)
Neale, P.J., see Malone, T.C., et al. **58**, 197 (1980)
Nedwell, D.B., Floodgate, G.D.: The Seasonal Selection by Temperature of Heterotrophic Bacteria in an Intertidal Sediment **11**, 306 (1971)
Nedwell, D.B., Floodgate, G.D.: Temperature-Induced Changes in the Formation of Sulphide in a Marine Sediment **14**, 18 (1972)
Nedwell, D.B., Floodgate, G.D.: The Effect of Microbial Activity upon the Sedimentary Sulphur Cycle **16**, 192 (1972)
Nèeman, I., Fishelson, L., Kashman, Y.: Isolation of a New Toxin from the Sponge *Latrunculia magnifica* in the Gulf of Aquaba (Red Sea) **30**, 293 (1975)
Neff, J.M., Cox, B.A., Dixit, D., Anderson, J.W.: Accumulation and Release of Petroleum-Derived Aromatic Hydrocarbons by Four Species of Marine Animals **38**, 279 (1976)
Neff, J.M., see Laughlin, R.B., Jr. **53**, 281 (1979)
Neff, J.M., see McKenney, C.L., Jr. **52**, 177 (1979)
Neff, J.M., see Anderson, J.W., et al. **27**, 75 (1974)
Neff, J.M., see Laughlin, R.B., et al. **47**, 87 (1978)
Neff, J.M., see Lindén, O., et al. **51**, 101 (1979)
Neff, J.M., see Thomas, P., et al. **59**, 141 (1980)
Nelson, B.V., Vance, R.R.: Diel Foraging Patterns of the Sea Urchin *Centrostephanus coronatus* as a Predator Avoidance Strategy **51**, 251 (1979)
Nelson, D.A., Calabrese, A., MacInnes, J.R.: Mercury Stress on Juvenile Bay Scallops, *Argopecten irradians*, Under Various Salinity-Temperature Regimes **43**, 293 (1977)
Nelson, D.A., see Calabrese, A., et al. **18**, 162 (1973)
Nelson, D.A., see Calabrese, A., et al. **41**, 179 (1977)
Nelson, D.M., D'Elia, C.F., Guillard, R.R.L.: Growth and Competition of the Marine Diatoms *Phaeodactylum tricornutum* and *Thalassiosira pseudonana*. II. Light Limitation **50**, 313 (1979)
Nelson, D.M., see D'Elia, C.F., et al. **50**, 305 (1979)
Nelson, S.G., Simmons, M.A., Knight, A.W.: Ammonia Excretion by the Benthic Estuarine Shrimp *Crangon franciscorum* (Crustacea: Crangonidae) in Relation to Diet **54**, 25 (1979)
Nemoto, T., Kamada, K., Hara, K.: Fecundity of a Euphausiid Crustacean, *Nematoscelis difficilis*, in the North Pacific Ocean **14**, 41 (1972)
Nemoto, T., Mauchline, J., Kamada, K.: Brood Size and Chemical Composition of *Pareuchaeta norvegica* (Crustacea: Copepoda) in Loch Etive, Scotland **36**, 151 (1976)
Neuhauser, M.L., see Lee, R.F., et al. **37**, 363 (1976)
Neumann, R., see Hofmann, D.K., et al. **47**, 161 (1978)
Neushul, M., see Lüning, K. **45**, 297 (1978)
Nevenzel, J.C., see Kayama, M. **24**, 279 (1974)
Nevenzel, J.C., see Lee, R.F., et al. **9**, 99 (1971)
Nevenzel, J.C., see Blanquet, R.S., et al. **54**, 185 (1979)
Newcomb, E.H., see Akazawa, T., et al. **47**, 325 (1978)
Newell, P.F., Appleton, T.C., Brown, B.E., Carnwarth, J.W.: Elemental Distribution in Relation to Skin Necroses of Marine Flatfishes from the English Channel **51**, 93 (1979)
Newell, R.C., Kofoed, L.H.: Adjustment of the Components of Energy Balance in the Gastropod *Crepidula fornicata* in Response to Thermal Acclimation **44**, 275 (1977)
Newell, R.C., Pye, V.I., Ahsanullah, M.: Factors Affecting the Feeding Rate of the Winkle *Littorina littorea* **9**, 138 (1971)
Newell, R.C., see Branch, G.M. **49**, 351 (1978)
Newell, R.C., see Brown, B.E. **16**, 108 (1972)
Newell, R.I.E., Bayne, B.L.: Seasonal Changes in the Physiology, Reproductive Condition and Carbohydrate Content of the Cockle *Cardium* (= *Cerastoderma*) *edule* (Bivalvia: Cardiidae) **56**, 11 (1980)
Newkirk, G.: Interaction of Genotype and Salinity in Larvae of the Oyster *Crassostrea virginica* **48**, 227 (1978)
Newkirk, G.F., Doyle, R.W.: Genetic Analysis of Shell-Shape Variation in *Littorina saxatilis* on an Environmental Cline **30**, 227 (1975)
Newkirk, G.F., Haley, L.E., Waugh, D.L., Doyle, R.: Genetics of Larvae and Spat Growth Rate in the Oyster *Crassostrea virginica* **41**, 49 (1977)
Newman, G.G., Pollock, D.E.: Growth of the Rock Lobster *Jasus lalandii* and Its Relationship to Benthos **24**, 339 (1974)
Newton, R.S., Stefanon, A.: Application of Side-Scan Sonar in Marine Biology **31**, 287 (1975)
Neyman, A.A., see Beklemishev, C.W., et al. **15**, 57 (1972)
Nichols, F.H.: Benthic Polychaete Assemblages and Their Relationship to the Sediment in Port Madison, Washington **6**, 48 (1970)
Nicklas, N.L., Hoffmann, R.J.: Genetic Similarity Between Two Morphologically Similar Species of Polychaetes **52**, 53 (1979)
Nicol, J.A.C., Donahue, W.H., Wang, R.T., Winters, K.: Chemical Composition and Effects of Water Extracts of Petroleum on Eggs of the Sand Dollar *Melitta quinquiesperforata* **40**, 309 (1977)
Nicol, J.A.C., see Lee, W.Y. **48**, 215 (1978)
Niesen, T.M.: Reproductive Cycles in Two Populations of the Pacific Sand Dollar *Dendraster excentricus* **42**, 365 (1977)
Nigrelli, R.F., see Cheung, P.J. **32**, 99 (1975)
Nigrelli, R.F., see Shimony, T. **14**, 349 (1972)
Nigrelli, R.F., see Cheung, P.J., et al. **43**, 157 (1977)
Nimmo, D.R., Blackman, R.R., Wilson, A.J., Jr., Forester, J.: Toxicity and Distribution of Aroclor® 1254 in the Pink Shrimp *Penaeus duorarum* **11**, 191 (1971)
Ninivaggi, D.V., see O'Connors, H.B., et al. **56**, 65 (1980)
Nishida, S., see Mauchline, J., et al. **43**, 149 (1977)
Nishiwaka, S., Ueda, H., Makioka, T.: Tagging Studies on the Growth of the Sea Hare *Aplysia kurodai* on an Intertidal Rocky Shore **32**, 389 (1975)
Nishizawa, S., see Ichikawa, T. **29**, 129 (1975)
Nishizawa, S., see Saijo, Y. **2**, 135 (1969)
Nival, P., Nival, S., Palazzoli, I.: Données sur la respiration de différents organismes communs dans le plancton de Villefranche-sùr-Mer. [Data on the Respiration of Different Organisms Common in the Plankton of Villefranche-sur-Mer] **17**, 63 (1972)
Nival, P., Nival, S., Thiriot, A.: Influence des conditions hivernales sur les productions phyto- et zooplanctoniques en Méditerranée Nord-Occidentale. V. Biomasse et production zooplanctonique – relations phytozooplancton. [Influence of Winter Conditions on Phyto- and Zooplankton Production in the Northwestern Mediterranean. V. Zooplankton Biomass and Production – Phytoplankton Relationships] **31**, 249 (1975)
Nival, P., see Jacques, G., et al. **23**, 251 (1973)
Nival, S., see Nival, P., et al. **17**, 63 (1972)
Nival, S., see Nival, P., et al. **31**, 249 (1975)
Nørgård Nielsen, K., see Riisgård, H.U., et al. **56**, 267 (1980)
Norall, T.L., see Mathieson, A.C. **33**, 207 (1975)

Norkrans, B., Stehn, B.O.: Sediment Bacteria in the Deep Norwegian Sea **47**, 201 (1978)
Norris, R.E., see Booth, B.C., et al. **58**, 205 (1980)
Norse, E.A., Estevez, M.: Studies on Portunid Crabs from the Eastern Pacific. I. Zonation Along Environmental Stress Gradients from the Coast of Colombia **40**, 365 (1977). Corrigendum Notice **42**, 185 (1977)
Norse, E.A., Fox-Norse, V.: Studies on Portunid Crabs from the Eastern Pacific. II. Significance of the Unusual Distribution of *Euphylax dovii* **40**, 375 (1977)
Notini, M., see Nagell, B., et al. **28**, 237 (1974)
Nott, J.A.: Settlement of Barnacle Larvae: Surface Structure of the Antennular Attachment Disc by Scanning Electron Microscopy **2**, 248 (1969)
Nott, J.A., see Foster, B.A. **4**, 340 (1969)
Nott, J.A., see Icely, J.D. **57**, 193 (1980)
Novitsky, J.A., Morita, R.Y.: Possible Strategy for the Survival of Marine Bacteria Under Starvation Conditions **48**, 289 (1978)
Novitsky, J.A., Morita, R.Y.: Starvation-Induced Barotolerance as a Survival Mechanism of a Psychrophilic Marine Vibrio in the Waters of the Antarctic Convergence **49**, 7 (1978)
Novitsky, J.A., see Kepkay, P.E. **55**, 261 (1980)
Nultsch, W., Pfau, J.: Occurrence and Biological Role of Light-Induced Chromatophore Displacements in Seaweeds **51**, 77 (1979)
Nuttall-Smith, P.B.N., see Arnold, G.P. **28**, 51 (1974)
Nybakken, J.: Abundance, Diversity and Temporal Variability in a California Intertidal Nudibranch Assemblage **45**, 129 (1978)
Nybakken, J.W., see Kohn, A.J. **29**, 211 (1975)
Nygaard, M., see Childress, J.J. **27**, 225 (1974)

O

Oakes, M.J., see Mangum, C.P., et al. **15**, 298 (1972)
Obrebski, S., see Whitlatch, R.B. **58**, 219 (1980)
O'Brien, J.J., see Wroblewski, J.S. **35**, 161 (1976)
Ochsner, P., see Ribi, G., et al. **43**, 181 (1977)
O'Connell Whitney, J.: Absence of Sterol Synthesis in Larvae of the Mud Crab *Rhithropanopeus harrisii* and of the Spider Crab *Libinia emarginata* **3**, 134 (1969)
O'Connors, H.B., Jr., Biggs, D.C., Ninivaggi, D.V.: Particle-Size-Dependent Maximum Grazing Rates for *Temora longicornis* Fed Natural Particle Assemblages **56**, 65 (1980)
O'Day, W.T., Fernandez, H.R.: Vision in the Lanternfish *Stenobrachius leucopsarus* (Myctophidae) **37**, 187 (1976)
Odham, G., see Kjelleberg, S., et al. **53**, 21 (1979)
O'Donnell, R., see Winters, K., et al. **36**, 269 (1976)
Ölundh, E., see Olsson, I. **24**, 17 (1974)
Ölundh, E., see Rosenberg, R., et al. **42**, 99 (1977)
Ölscher, E.M., see Fedra, K., et al. **38**, 129 (1976)
Oertzen, J.-A. von: Cycles and Rates of Reproduction of Six Baltic Sea Bivalves of Different Zoogeographical Origin **14**, 143 (1972)
Oertzen, J.A. von, Motzfeld, V.: Eine Apparatur zur kontinuierlichen Respirationsmessung an marinen Organismen. [An Apparatus for Continuous Respiration Measurement in Marine Organisms] **3**, 336 (1969)
Ogata, E., Schramm, W.: Some Observations on the Influence of Salinity on Growth and Photosynthesis in *Porphyra umbilicalis* **10**, 70 (1971)
Ogawa, H.: On the Antheridium Development of *Sargassum micracanthum* and *S. ringoldianum* **27**, 21 (1974)
Ogawa, H.: Antheridium Development of *Sargassum fulvellum* and *S. kjellmanianum* **38**, 163 (1976)
Ogden, J.C., Ehrlich, P.R.: The Behavior of Heterotypic Resting Schools of Juvenile Grunts (Pomadasyidae) **42**, 273 (1977)
Ogura, N.: Rate and Extent of Decomposition of Dissolved Organic Matter in Surface Sea-Water **13**, 89 (1972)
Ogura, N.: Molecular Weight Fractionation of Dissolved Organic Matter in Coastal Seawater by Ultrafiltration **24**, 305 (1974)
Ogura, N.: Further Studies on Decomposition of Dissolved Organic Matter in Coastal Seawater **31**, 101 (1975)
O'Hara, S.C.M., see Harris, R.P., et al. **42**, 187 (1977)
Ohwada, K.: Bioassay of Biotin and Its Distribution in the Sea **14**, 10 (1972)
Oide, M., Utida, S.: Changes in Water and Ion Transport in Isolated Intestines of the Eel During Salt Adaptation and Migration **1**, 102 (1967)
Oide, H., Utida, S.: Changes in Intestinal Absorption and Renal Excretion of Water During Adaptation to Sea-Water in the Japanese Eel **1**, 172 (1968)
Oikari, A.: Aspects of Osmotic and Ionic Regulation in Two Baltic Teleosts: Effects of Salinity on Blood and Urine Composition **44**, 345 (1978)
Okada, H., Honjo, S.: Distribution of Coccolithophores in Marginal Seas Along the Western Pacific Ocean and in the Red Sea **31**, 271 (1975)
Okada, H., McIntyre, A.: Seasonal Distribution of Modern Coccolithophores in the Western North Atlantic Ocean **54**, 319 (1979)
Okamoto, H., see Teshima, S., et al. **39**, 129 (1977)
Okera, W.: The Zooplankton of the Inshore Waters of Dar es Salaam (Tanzania, S.E. Africa) with Observations on Reactions to Artificial Light **26**, 13 (1974)
Okera, W.: Observations on Some Population Parameters of Exploited Stocks of *Senilia senilis* (= *Arca senilis*) in Sierra Leone **38**, 217 (1976)
Olafson, R.W., Thompson, J.A.J.: Isolation of Heavy Metal Binding Proteins from Marine Vertebrates **28**, 83 (1974)
Olive, P.J.W.: Reproduction of a Northumberland Population of the Polychaete *Cirratulus cirratus* **5**, 259 (1970)
Olive, P.J.W.: Ovary Structure and Oogenesis in *Cirratulus cirratus* (Polychaeta: Cirratulidae) **8**, 243 (1971)
Olive, P.J.W.: Reproduction and Annual Gametogenic Cycle in *Nephtys hombergii* and *N. caeca* (Polychaeta: Nephtyidae) **46**, 83 (1978)
Olla, B.L., Studholme, A.L., Bejda, A.J., Samet, C., Martin, A.D.: Effect of Temperature on Activity and Social Behavior of the Adult Tautog *Tautoga onitis* Under Laboratory Conditions **45**, 369 (1978)
Olla, B.L., Studholme, A.L., Bejda, A.J., Samet, C.: Role of Temperature in Triggering Migratory Behavior of the Adult Tautog *Tautoga onitis* Under Laboratory Conditions **59**, 23 (1980)
Olsson, I., Ölundh, E.: On Plankton Production in Kungsbacka Fjord, an Estuary on the Swedish West Coast **24**, 17 (1974)
Olsson, I., see Rosenberg, R., et al. **42**, 99 (1977)
Omori, M.: Weight and Chemical Composition of Some Important Oceanic Zooplankton in the North Pacific Ocean **3**, 4 (1969)
Omori, M.: Preliminary Rearing Experiments on the Larvae of *Sergestes lucens* (Penaedia, Natantia, Decapoda) **9**, 228 (1971)
Omori, M.: Zooplankton Fisheries of the World: A Review **48**, 199 (1978)
Onbé, T., see Kasahara, S., et al. **26**, 167 (1974)
Onbé, T., see Kasahara, S., et al. **31**, 25 (1975)
Onbé, T., see Kasahara, S., et al. **31**, 31 (1975)
Onbé, T., see Uye, S., et al. **51**, 151 (1979)
Onge, J.M. St., see Bowen, R.A., et al. **14**, 242 (1972)
Onge-Burns, J.M. St., see Price, C.A., et al. **42**, 225 (1977)
Ono, K., see Jones, D.A., et al. **54**, 261 (1979)
Ono, Y., see Pillay, K.K. **45**, 237 (1978)
Onyia, A.D.: A Contribution to the Food and Feeding Habit of the Threadfin *Galeoides decadactylus* **22**, 371 (1973)
Opresko, L., Thomas, R.: Observations on *Octopus joubini:* Some Aspects of Reproductive Biology and Growth **31**, 51 (1975)
Oregioni, B., see Benayoun, G., et al. **27**, 205 (1974)
Oregioni, B., see Polikarpov, G.G., et al. **53**, 79 (1979)
Oren, O.H.: International Biological Programme: Co-Ordinated Studies on Grey Mullets **10**, 30 (1971)
Oren, O.H.: Results of the UNDP (SF)/FAO Regional Fisheries Survey in West Africa. Report No. 2. Preliminary Note on

Dissolved Oxygen in the Canary Current **17**, 1 (1972)
Oren, O.H.: Results of the UNDP (SF)/FAO Regional Fisheries Survey in West Africa. Report No. 3. Silicates in the Canary Current Area **17**, 4 (1972)
Oren, O.H.: Results of the UNDP (SF)/FAO Regional Fisheries Survey in West Africa. Report No. 4. T/S Relationship in the Canary Current Area **17**, 187 (1972)
Orlov, Yu.I., Ivanov, B.G.: On the Introduction of the Kamchatka King Crab *Paralithodes camtschatica* (Decapoda: Anomura: Lithodidae) into the Barents Sea **48**, 373 (1978)
Ortega, E., see Alcala, A.C., et al. **14**, 298 (1972)
Orth, R.J.: Effect of Nutrient Enrichment on Growth of the Eelgrass *Zostera marina* in the Chesapeake Bay, Virginia, USA **44**, 187 (1977)
Osmond, C.B., see Akazawa, T., et al. **47**, 325 (1978)
Ott, J., see Wieser, W., et al. **26**, 235 (1974)
Ottow, J.C.G., see Heitzer, R.D. **37**, 1 (1976)
Oudejans, R.C.H.M., Sluis, I. van der: Changes in the Biochemical Composition of the Ovaries of the Seastar *Asterias rubens* During Its Annual Reproductive Cycle **50**, 255 (1979)
Oudejans, R.C.H.M., Sluis, I. van der: Storage and Depletion of Lipid Components in the Pyloric Caeca and Ovaries of the Seastar *Asterias rubens* During Its Annual Reproductive Cycle **53**, 239 (1979)
Oudejans, R.C.H.M., Sluis, I. van der, Plas, A. J. van der: Changes in the Biochemical Composition of the Pyloric Caeca of Female Seastars, *Asterias rubens*, During Their Annual Reproductive Cycle **53**, 231 (1979)
Oudejans, R.C.H.M., see Horst, D.J. van der, et al. **20**, 291 (1973)
Overath, H., Boletzky, S. von: Laboratory Observations on Spawning and Embryonic Development of a Blue-Ringed Octopus **27**, 333 (1974)
Overnell, J.: The Effect of Heavy Metals on Photosynthesis and Loss of Cell Potassium in Two Species of Marine Algae, *Dunaliella tertiolecta* and *Phaeodactylum tricornutum* **29**, 99 (1975)
Overnell, J.: Inhibition of Marine Algal Photosynthesis by Heavy Metals **38**, 335 (1976)
Owen, J.M., Adron, J.W., Sargent, J.R., Cowey, C.B.: Studies on the Nutrition of Marine Flatfish. The Effect of Dietary Fatty Acids on the Tissue Fatty-Acids of the Plaice *Pleuronectes platessa* **13**, 160 (1972)
Owen, R.W., Zeitzschel, B.: Phytoplankton Production: Seasonal Change in the Oceanic Eastern Tropical Pacific **7**, 32 (1970). Corrigendum Notice **8**, 87 (1971)
Owen, R.W., see Blackburn, M., et al. **7**, 14 (1970)
Owens, T.G., King, F.D.: The Measurement of Respiratory Electron-Transport-System Activity in Marine Zooplankton **30**, 27 (1975)
Owens, T.G., Falkowski, P.G., Whitledge, T.E.: Diel Periodicity in Cellular Chlorophyll Content in Marine Diatoms **59**, 71 (1980)
Owens, T.G., see Falkowski, P.G. **45**, 289 (1978)
Owens, T.G., see Christensen, J.P., et al. **55**, 267 (1980)

P

Paasche, E.: Silicon and the Ecology of Marine Plankton Diatoms. I. *Thalassiosira pseudonana (Cyclotella nana)* Grown in a Chemostat with Silicate as Limiting Nutrient **19**, 117 (1973)
Paasche, E.: Silicon and the Ecology of Marine Plankton Diatoms. II. Silicate-Uptake Kinetics in Five Diatom Species **19**, 262 (1973)
Pabst, B., Vicentini, H.: Dislocation Experiments in the Migrating Sea Star *Astropecten jonstoni* **48**, 271 (1978)
Pabst, B., see Burla, H., et al. **14**, 235 (1972)
Packard, T.T., Dortch, Q.: Particulate Protein-Nitrogen in North Atlantic Surface Waters **33**, 347 (1975)
Packard, T.T., see Eppley, R.W., et al. **6**, 195 (1970)
Packard, T.T., see Ahmed, S.I., et al. **39**, 93 (1977)
Packard, T.T., see Christensen, J.P., et al. **55**, 267 (1980)
Padgett, W.J., see Vernberg, W.B., et al. **22**, 307 (1973)
Paffenhöfer, G.-A.: Grazing and Ingestion Rates of Nauplii, Copepodids and Adults of the Marine Planktonic Copepod *Calanus helgolandicus* **11**, 286 (1971)
Paffenhöfer, G.-A.: The Cultivation of an Appendicularian Through Numerous Generations **22**, 183 (1973)
Paffenhöfer, G.-A., Knowles, S.C.: Feeding of Marine Planktonic Copepods on Mixed Phytoplankton **48**, 143 (1978)
Paffenhöfer, G.A., Strickland, J.D.H.: A Note on the Feeding of *Calanus helgolandicus* on Detritus **5**, 97 (1970)
Paffenhöfer, G.-A., see Lee, R.F., et al. **9**, 99 (1971)
Pagès, J., see Herbland, A. **35**, 211 (1976)
Paine, R.T., Vadas, R.L.: Calorific Values of Benthic Marine Algae and Their Postulated Relation to Invertebrate Food Preference **4**, 79 (1969)
Paine, R.T., Slocum, C.J., Duggins, D.O.: Growth and Longevity in the Crustose Red Alga *Petrocelis middendorffii* **51**, 185 (1979)
Palazzoli, I., see Fenaux, R. **55**, 197 (1979)
Palazzoli, I., see Nival, P., et al. **17**, 63 (1972)
Palko, B.J., see Houde, E.D. **5**, 354 (1970)
Palmer, M.A.: Variation in Life-History Patterns Between Intertidal and Subtidal Populations of the Meiobenthic Copepod *Microarthridion littorale* **60**, 159 (1980)
Palmer, R.E.: Observations on Shell Deformities, Ultrastructure, and Increment Formation in the Bay Scallop *Argopecten irradians* **58**, 15 (1980)
Pamatmat, M.M.: Oxygen Uptake and Heat Production in a Metabolic Conformer *(Littorina irrorata)* and a Metabolic Regulator *(Uca pugnax)* **48**, 317 (1978)
Pamatmat, M.M.: Anaerobic Heat Production of Bivalves *(Polymesoda caroliniana* and *Modiolus demissus)* in Relation to Temperature, Body Size, and Duration of Anoxia **53**, 223 (1979)
Pandian, T.J.: Intake, Digestion, Absorption and Conversion of Food in the Fishes *Megalops Cyprinoides* and *Ophiocephalus striatus* **1**, 16 (1967)
Pandian, T.J.: Transformation of Food in the Fish *Megalops cyprinoides*. I. Influence of Quality of Food **1**, 60 (1967)
Pandian, T.J.: Transformation of Food in the Fish *Megalops Cyprinoides*. II. Influence of Quantity of Food **1**, 107 (1967)
Pandian, T.J.: Yolk Utilization in the Gastropod *Crepidula fornicata* **3**, 117 (1969)
Pandian, T.J.: Intake and Conversion of Food in the Fish *Limanda limanda* Exposed to Different Temperatures **5**, 1 (1970)
Pandian, T.J.: Ecophysiological Studies on the Developing Eggs and Embryos of the European Lobster *Homarus gammarus* **5**, 154 (1970)
Pandian, T.J.: Yolk Utilization and Hatching Time in the Canadian Lobster *Homarus americanus* **7**, 249 (1970)
Pandian, T.J., Katre, S.: Effect of Hatching Time on Larval Mortality and Survival of the Prawn *Macrobrachium idae* **13**, 330 (1972)
Pandian, T.J., Raghuraman, R.: Effects of Feeding Rate on Conversion Efficiency and Chemical Composition of the Fish *Tilapia mossambica* **12**, 129 (1972)
Panouse, M., see Cahet, G., et al. **14**, 32 (1972)
Pantelouris, E.M., Arnason, A., Tesch, F.-W.: Genetic Variation in the Eel. III. Comparisons of Rhode Island and Icelandic Populations. Implications for the Atlantic Eel Problem **9**, 242 (1971)
Pantoustier, G., Prunus, G.: Cycle biologique de l'isopode *Jaera hopeana* dans les milieux marins et lagunaires du Nord-Est de la Tunisie. [Biological Cycle of the Isopod *Jaera hopeana* in the Marine and Lagoonal Environments of North-East Tunisia] **43**, 361 (1977)
Parchevskaya, D.S., see Polikarpov, G.G., et al. **53**, 79 (1979)
Parin, N.V., see Beklemishev, C.W., et al. **15**, 57 (1972)
Parisi, G., Pierantoni, R., Porcelli, M.: Pigments of the Porifera: Demospongiae. I. Carotenoids of *Axinella verrucosa* **41**, 191 (1977)
Parker, J.G.: Toxic Effects of Heavy Metals upon Cultures of *Uronema marinum* (Ciliophora: Uronematidae) **54**, 17 (1979)
Parrish, J., see Marshall, N., et al. **12**, 194 (1972)
Parrish, K.K., Wilson, D.F.: Fecundity Studies on *Acartia tonsa* (Copepoda: Calanoida) in Standardized Culture **46**, 65 (1978)

Parrish, K.K., see Wilson, D.F. **9**, 202 (1971)
Parrish, P.R., see Lowe, J.I., et al. **17**, 209 (1972)
Parsi, P., see Fowler, S.W., et al. **48**, 303 (1978)
Parsons, T.R., see Takahashi, M., et al. **19**, 102 (1973)
Partridge, B.L., see Pitcher, T.J. **54**, 383 (1979)
Parvatheswararao, V.: Some Mechanisms of Salinity Acclimation in the Euryhaline Teleost, *Etroplus maculatus* **1**, 97 (1967)
Parvatheswararao, V.: Distribution of Visual Pigments in the Teleostei – A Comment **33**, 67 (1975)
Parvatheswararao, V., see Bashamohideen, M. **16**, 68 (1972)
Parvathy, K.: Blood Sugars in Relation to Chitin Synthesis During Cuticle Formation in *Emerita Asiatica* **5**, 108 (1970)
Parvathy, K.: Carbohydrate Metabolism of two Crustaceans During Starvation **8**, 1 (1971)
Parvathy, K.: Blood Sugar Metabolism During Moulting in the Isopod Crustacean *Ligia exotica* **9**, 323 (1971)
Parvathy, K.: Glycogen Storage in Relation to the Moult Cycle in the Two Crustaceans *Emerita asiatica* and *Liga exotica* **10**, 82 (1971)
Parvathy, K.: Endocrine Regulation of Carbohydrate Metabolism During the Moult Cycle in Crustaceans. I. Effect of Eyestalk removal in *Ocypoda platytarsis* **14**, 58 (1972)
Passia, D.: $NADP^+$-Isocitrat-Dehydrogenase aus *Idus idus* (Pisces: Cyprinidae). I. Aktivität als Funktion der Adaptationstemperatur. [$NADP^+$-Isocitrate Dehydrogenase from *Idus idus* (Pisces: Cyprinidae). I. Activity as Function of Adaptation Temperature] **23**, 197 (1973)
Passia, D., see Künnemann, H. **23**, 205 (1973)
Patel, B., see Crisp, D.J. **2**, 283 (1969)
Patel, B., see Patel, S. **10**, 272 (1971)
Patel, S., Patel, B.: Effect of Ionizing Radiation on Haemoglobin of Marine Lamellibranchs **10**, 272 (1971)
Patell, J.R., see Gandhi, N.M., et al. **34**, 223 (1976)
Patent, D.H.: The Early Embryology of the Basket Star *Gorgonocephalus caryi* (Echinodermata, Ophiuroidea) **6**, 262 (1970)
Paton, B.E., see Chapman, A.R.O., et al. **38**, 91 (1976)
Patrick, J.M., Jr., see Lowe, J.I., et al. **17**, 209 (1972)
Patriquin, D.G.: The Origin of Nitrogen and Phosphorus for Growth of the Marine Angiosperm *Thalassia testudinum* **15**, 35 (1972)
Patriquin, D.G., Knowles, R.: Nitrogen Fixation in the Rhizosphere of Marine Angiosperms **16**, 49 (1972)
Patriquin, D.G., Knowles, R.: Effects of Oxygen, Mannitol and Ammonium Concentrations on Nitrogenase [C_2H_2] Activity in a Marine Skeletal Carbonate Sand **32**, 49 (1975)
Patriquin, D.G., McClung, C.R.: Nitrogen Accretion, and the Nature and Possible Significance of N_2 Fixation (Acetylene Reduction) in a Nova Scotian *Spartina alterniflora* Stand **47**, 227 (1978)
Patriquin, D.G., see Raalte, C.D. Van **52**, 315 (1979)
Patriti, G.: Etude préliminaire des effets de la pollution globale sur le peuplement planctonique des ports Nord de Marseille. [Preliminary Study of the Global Pollution Effects on the Plankton Population in the Northern Harbour of Marseilles] **12**, 300 (1972)
Patriti, G.: Les cladocères des milieux portuaires de Marseille. [The Cladocerans of the Harbour Environment of Marseilles] **20**, 50 (1973)
Patterson, C., Settle, D.: Comparative Distributions of Alkalies, Alkaline Earths and Lead Among Major Tissues of the Tuna *Thunnus alalunga* **39**, 289 (1977)
Patton, J., see Phleger, C.F., et al. **35**, 85 (1976)
Patton, J.S., Quinn, J.G.: Studies on the Digestive Lipase of the Surf Clam *Spisula solidissima* **21**, 59 (1973)
Patton, J.S., Abraham, S., Benson, A.A.: Lipogenesis in the Intact Coral *Pocillopora capitata* and Its Isolated Zooxanthellae: Evidence for a Light-Driven Carbon Cycle Between Symbiont and Host **44**, 235 (1977)
Paul, A.Z., Menzies, R.J.: Benthic Ecology of the High Arctic Deep Sea **27**, 251 (1974)
Paul, J.D.: Salinity-Temperature Relationships in the Queen Scallop *Chlamys opercularis* **56**, 295 (1980)
Pavillon, J.-F.: Action de trois substances supposées ectocrines (riboflavine, acide glutamique, glycine) sur la cinétique du développement de l'oeuf et la croissance de la larve de deux espèces d'échinides, *Arbacia lixula* et *Paracentrotus lividus*. [Action of Three Presumably Ectocrine Substances (Riboflavine, Glutamic Acid, Glycine) on the Kinetics of Egg Development and Larval Growth in Two Species of Echinoids, *Arbacia lixula* and *Paracentrotus lividus*] **34**, 67 (1976
Payne, A.I.: The Relative Abundance and Feeding Habits of the Grey Mullet Species Occurring in an Estuary in Sierra Leone, West Africa **35**, 277 (1976)
Payne, W.J., see Barbaree, J.M. **1**, 136 (1967)
Pearcy, W.G., Lorz, H.V., Peterson, W.: Comparison of the Feeding Habits of Migratory and Non-Migratory *Stenobrachius leucopsarus* (Myctophidae) **51**, 1 (1979)
Pearcy, W.G., see Tyler, H.R., Jr. **32**, 7 (1975)
Pearcy, W.G., see Willis, J.M. **57**, 181 (1980)
Pearcy, W.G., see Tont, S.A., et al. **39**, 191 (1977)
Pearcy, W.G., see Cutshall, N.H., et al. **40**, 75 (1977)
Pearcy, W.G., see Cutshall, N.H., et al. **44**, 195 (1977)
Pearse, J.S.: Slow Developing Demersal Embryos and Larvae of the Antarctic Sea Star *Odontaster validus* **3**, 110 (1969)
Pearse, J.S., Hines, A.H.: Expansion of a Central California Kelp Forest Following the Mass Mortality of Sea Urchins **51**, 83 (1979)
Pearse, J.S., Pearse, V.B.: Removal of Glycine from Solution by the Sea Urchin *Strongylocentrotus purpuratus* **19**, 281 (1973)
Pearse, J.S., see Lowry, L.F. **23**, 213 (1973)
Pearse, J.S., see Mattison, J.E., et al. **39**, 25 (1977)
Pearse V.B., see Pearse, J.S. **19**, 281 (1973)
Pearson, T.H., Stanley, S.O.: Comparative Measurement of the Redox Potential of Marine Sediments as a Rapid Means of Assessing the Effect of Organic Pollution **53**, 371 (1979)
Pearson, T.H., see Miller, D., et al. **50**, 375 (1979)
Pechenik, J.A., see Johns, D.M. **55**, 247 (1980)
Peck, B.B., see Carpenter, E.J., et al. **16**, 37 (1972)
Peck, B.B., see Carpenter, E.J., et al. **24**, 49 (1974)
Peddicord, R.K.: Salinity and Substratum Effects on Condition Index of the Bivalve *Rangia cuneata* **39**, 351 (1977)
Pella, J.J., see Myren, R.T. **41**, 371 (1977)
Pemberton, R., see Ehrlich, K.F., et al. **35**, 105 (1976)
Pembroke, A., see Watling, L., et al. **52**, 207 (1979)
Penello, W.F., Brinkhuis, B.H.: Cadmium and Manganese Flux in Eelgrass *Zostera marina*. I. Modelling Dynamics of Metal Release from Labelled Tissues **58**, 181 (1980)
Penello, W.F., see Brinkhuis, B.H., et al. **58**, 187 (1980)
Pengerud, B., see Indrebø, G., et al. **51**, 295 (1979)
Pengerud, B., see Indrebø, G., et al. **51**, 305 (1979)
Penn, P.E., Alexander, C.G.: Fine Structure of the Optic Cusion in the Asteroid *Nepanthia belcheri* **58**, 251 (1980)
Pentreath, R.J.: ^{237}Pu Experiments with the Plaice *Pleuronectes platessa* **48**, 327 (1978)
Pentreath, R.J.: ^{237}Pu Experiments with the Thornback Ray *Raja clavata* **48**, 337 (1978)
Pentreath, R.J., Lovett, M.B.: Transuranic Nuclides in Plaice *(Pleuronectes platessa)* from the North-Eastern Irish Sea **48**, 19 (1978)
Péquignat, E.: Some New Data on Skin-Digestion and Absorption in Urchins and Sea Stars (*Asterias* and *Henricia*) **12**, 28 (1972)
Péquignat, E.: A Kinetic and Autoradiographic Study of the Direct Assimilation of Amino Acids and Glucose by Organs of the Mussel *Mytilus edulis* **19**, 227 (1973)
Perera, P.A.B., Silva, S.S. De: Studies on the Biology of Young Grey Mullet *(Mugil cephalus)* Digestion **44**, 383 (1978)
Peres, J.M., Picard, J.: Réflexions sur la structure trophique des édifices récifaux. [Considerations on the Trophic Structure of Reef Constructions] **3**, 227 (1969)
Perkins, P.J., see Winn, H.E., et al. **55**, 151 (1979)

Peroni, C., Lavarello, O.: Microbial Activities as a Function of Water Depth in the Ligurian Sea: An Autoradiographic Study **30**, 37 (1975)
Peroni, C., see Bernhard, M., et al. **25**, 339 (1974)
Perpeet, C., see Jangoux, M., et al. **15**, 329 (1972)
Perry, M.J.: Alkaline Phosphatase Activity in Subtropical Central North Pacific Waters Using a Sensitive Fluorometric Method **15**, 113 (1972)
Perry, M.J., see Eppley, R.W., et al. **39**, 111 (1977)
Persoone, G., see Sorgeloos, P. **15**, 251 (1972)
Pesando, D., see Gnassia-Barelli, M., et al. **47**, 15 (1978)
Pesch, C.E.: Influence of Three Sediment Types on Copper Toxicity to the Polychaete *Neanthes arenaceodentata* **52**, 237 (1979)
Peters, V., see Carriker, M.R., et al. **25**, 63 (1974)
Petersen, J.A., Ditadi, A.S.F.: Asexual Reproduction in *Glossobalanus crozieri* (Ptychoderidae, Enteropneusta, Hemichordata) **9**, 78 (1971)
Peterson, C.H.: Competitive Organization of the Soft-Bottom Macrobenthic Communities of Southern California Lagoons **43**, 343 (1977)
Peterson, G.L., Shehadeh, Z.H.: Subpopulations of the Hawaiian Striped Mullet *Mugil cephalus:* Analysis of Variations of Nuclear Eye-Lens Protein Electropherograms and Nuclear Eye-Lens Weights **11**, 52 (1971)
Peterson, W., see Pearcy, W.G., et al. **51**, 1 (1979)
Peterson, W.T., see Sullivan, B.K., et al. **30**, 175 (1975)
Petipa, T.S.: Matter Accumulation and Energy Expenditure in Planktonic Ecosystems at Different Trophic Levels **49**, 285 (1978)
Petipa, T.S., Makarova, N.P.: Dependence of Phytoplankton Production on Rhythm and Rate of Elimination **3**, 191 (1969)
Petipa, T.S., see Belyaev, V.I., et al. **31**, 1 (1975)
Petrocelli, S.R., Anderson, J.W., Hanks, A.R.: Controlled Food-Chain Transfer of Dieldrin Residues from Phytoplankters to Clams **31**, 215 (1975)
Petrocelli, S.R., see Roesijadi, G., et al. **27**, 213 (1974)
Petrocelli, S.R., see Green, F.A., Jr., et al. **37**, 75 (1976)
Petrocelli, S.R., see Roesijadi, G., et al. **38**, 343 (1976)
Peyrot-Clausade, M.: Motile Cryptofauna of Tuléar Reef Flats **59**, 43 (1980)
Pfannenstiel, H.-D.: Zur sexuellen Differenzierung von *Ophryotrocha puerilis* (Polychaete: Eunicidae). [On Sexual Differentiation in *Ophryotrocha puerilis* (Polychaeta: Eunicidae)] **20**, 245 (1973)
Pfannenstiel, H.-D.: Regeneration in the Gonochoristic Polychaete *Ophryotrocha notoglandulata* **24**, 269 (1974)
Pfannenstiel, H.-D.: Ist der Polychaet *Ophryotrocha labronica* ein proterandrischer Hermaphrodit? [Is the Polychaete *Ophryotrocha labronica* a Protandric Hermaphrodite?] **38**, 169 (1976)
Pfannenstiel, H.-D.: Endokrinologische und genetische Untersuchungen an einer proterandrischen Population des Polychaeten *Ophryotrocha labronica*. [Endocrinological and Genetical Studies on a Protandric Population of the Polychaete *Ophryotrocha labronica*] **39**, 319 (1977)
Pfau, J., see Nultsch, W. **51**, 77 (1979)
Philbin, L.M., see Wiebe, P.H., et al. **53**, 249 (1979)
Phillips, B.F., Campbell, N.A., Rea, W.A.: Laboratory Growth of Early Juveniles of the Western Rock Lobster *Panulirus longipes cygnus* **39**, 31 (1977)
Phillips, B.F., Rimmer, D.W., Reid, D.D.: Ecological Investigations of the Late-Stage Phylosoma and Puerulus Larvae of the Western Rock Lobster *Panulirus longipes cygnus* **45**, 347 (1978)
Phillips, B.F., see Rimmer, D.W. **54**, 109 (1979)
Phillips, D.J.H.: The Common Mussel *Mytilus edulis* as an Indicator of Pollution by Zinc, Cadmium, Lead and Copper. I. Effects of Environmental Variables on Uptake of Metals **38**, 59 (1976)
Phillips, D.J.H.: The Common Mussel *Mytilus edulis* as an Indicator of Pollution by Zinc, Cadmium, Lead and Copper. II. Relationship of Metals in the Mussel to Those Discharged by Industry **38**, 71 (1976)
Phillips, D.J.H.: Effects of Salinity on the Net Uptake of Zinc by the Common Mussel *Mytilus edulis* **41**, 79 (1977)
Phillips, D.J.H.: The Common Mussel *Mytilus edulis* as an Indicator of Trace Metals in Scandinavian Waters. I. Zinc and Cadmium **43**, 283 (1977)
Phillips, D.J.H.: The Common Mussel *Mytilus edulis* as an Indicator of Trace Metals in Scandinavian Waters. II. Lead, Iron and Manganese **46**, 147 (1978)
Phillips, D.J.H.: The Rock Oyster *Saccostrea glomerata* as an Indicator of Trace Metals in Hong Kong **53**, 353 (1979)
Phillips, D.W.: Chemical Mediation of Invertebrate Defensive Behaviors and the Ability to Distinguish Between Foraging and Inactive Predators **49**, 237 (1978)
Phillips, D.W., see Moitoza, D.J. **53**, 299 (1979)
Phillips, D.W., see Veldhuizen, H.D. Van **48**, 89 (1978)
Phillips, J.H., Jr., see Harding, L.W., Jr. **49**, 93 (1978)
Phillips, J.H., Jr., see Harding, L.W., Jr. **49**, 103 (1978)
Phinney, H.K., see Riznyk, R.Z. **13**, 318 (1972)
Phleger, C.F., Patton, J., Grimes, P., Lee, R.F.: Fish-Bone Oil: Percent Total Body Lipid and Carbon-14 Uptake Following Feeding of 1 – ^{14}C-Palmitic Acid **35**, 85 (1976)
Phleger, C.F., see Horn, M.H., et al. **46**, 335 (1978)
Picard, C., see Thomassin, B.A. **12**, 229 (1972)
Picard, J., see Peres, J.M. **3**, 227 (1969)
Pierantoni, R., see Parisi, G., et al. **41**, 191 (1977)
Pillay, K.K., Nair, N.B.: Observations on the Biochemical Changes in Gonads and Other Organs of *Uca annulipes, Portunus pelagicus* and *Metapenaeus affinis* (Decapoda: Crustacea) During the Reproductived Cycle **18**, 167 (1973)
Pillay, K.K., Ono, Y.: The Breeding Cycles of Two Species of Grapsid Crabs (Crustacea: Decapoda) from the North Coast of Kyushu, Japan **45**, 237 (1978)
Pilleri, G., see Monte, T. de **1**, 178 (1968)
Pilleri, G., see Monte, T. de **1**, 182 (1968)
Pilson, M.E.Q., see Jacques, T.G. **60**, 167 (1980)
Pinedo, M.C., see Clarke, M.R., et al. **59**, 235 (1980)
Pirie, B.J.S., see George, S.G., et al. **45**, 147 (1978)
Pirie, J. M., see Davies, I.M. **57**, 87 (1980)
Pisanty, S., see Ben-Yami, M., et al. **6**, 312 (1970)
Pitcher, T.J., Partridge, B.L.: Fish School Density and Volume **54**, 383 (1979)
Pitombeira, M.S., Barreto Gomes, F.V., Martins, J.M.: Red Blood Cell Osmotic Fragility in the Spanish Mackerel *Scomberomorus maculatus* **9**, 250 (1971)
Piuze, J., see Kremling, K., et al. **48**, 1 (1978)
Piuze, J., see Cossa, D., et al. **58**, 7 (1980)
Plas, A.J., van der, see Oudejans, R.C.H.M., et al. **53**, 231 (1979)
Platt, T., Conover, R.J.: Variability and Its Effect on the 24 h Chlorophyll Budget of a Small Marine Basin **10**, 52 (1971)
Plug, A.G., see Horst, D.J. van der, et al. **20**, 291 (1973)
Pocklington, R.: An Oceanographic Interpretation of Seabird Distributions in the Indian Ocean **51**, 9 (1979)
Pohley, W.J.: Relationships Among Three Species of *Littorina* and Their Larval Digenea **37**, 179 (1976)
Polgar, T.T., see Holland, A.F. **37**, 341 (1976)
Polikarpov, G.G., Oregioni, B., Parchevskaya, D.S., Benayoun, G.: Body Burden of Chromium, Copper, Cadmium and Lead in the Neustonic Copepod *Anomalocera patersoni* (Pontellidae) Collected from the Mediterranean Sea **53**, 79 (1979)
Polikarpov, G.G., see Fowler, S.W., et al. **48**, 303 (1978)
Pollingher, U., see Gold, K. **11**, 324 (1971)
Pollock, D.E.: Predator-Prey Relationships Between the Rock Lobster *Jasus lalandii* and the Mussel *Aulacomya ater* at Robben Island on the Cape West Coast of Africa **52**, 347 (1979)
Pollock, D.E., see Newman, G.G. **24**, 339 (1974)
Polloni, P.T., Rowe, G.T., Teal, J.M.: *Biremis blandi* (Polychaeta: Terebellidae), New Genus, New Species, Caught by D.S.R.V. "Alvin" in the Tongue of the Ocean, New Providence, Bahamas **20**, 170 (1973)
Polloni, P.T., see Haedrich, R.L., et al. **57**, 165 (1980)
Polo, B., see Barbaro, A., et al. **46**, 247 (1978)

Ponat, A., Adelung, D.: Studies to Establish an Optimal Diet for *Carcinus maenas*. II. Protein and Lipid Requirements **60**, 115 (1980)
Ponat, A., Theede, H.: Influence of Hydrostatic Pressure on the Activity of Alkaline Phosphatase in Some Marine Invertebrates **18**, 1 (1973)
Ponat, A., see Adelung, D. **44**, 287 (1977)
Ponat, A., see Theede, H. **6**, 66 (1970)
Ponat, A., see Theede, H., et al. **2**, 325 (1969)
Ponomareva, L.: Euphausiids of the Red Sea Collected in Summer 1966 by R.V. "Academician S. Vavilov" **1**, 263 (1968)
Ponomareva, L.A.: Investigations on Some Tropical Euphausiid Species of the Indian Ocean **3**, 81 (1969)
Pool, R.R., see Muscatine, L., et al. **13**, 298 (1972)
Pope, J.A., see Cowey, C.B., et al. **10**, 145 (1971)
Pope, J.A., see Cowey, C.B., et al. **19**, 1 (1973)
Popham, J.D., Dickson, M.R.: Bacterial Association in the Teredor *Bankia australi* (Lamellibranchia: Mollusca) **19**, 338 (1973)
Popham, J.D., Ellis, D.V.: A Comparison of Traditional, Cluster and Zürich-Montpellier Analyses of Infaunal Pelecypod Associations from Two Adjacent Sediment Beds **8**, 260 (1971)
Popper, D., see Gundermann, N. **33**, 109 (1975)
Por, F.D.: Hydrobiological Notes on the High-Salinity Waters of the Sinai Peninsula **14**, 111 (1972)
Por, F.D.: Heinz Steinitz in Memoriam **19**, 271 (1973)
Por, F.D., Dor, I.: Ecology of the Metahaline Pool of Di Zahav, Gulf of Elat, with Notes on the Siphonocladacea and the Typology of Near-Shore Marine Pools **29**, 37 (1975)
Pora, E.A., Precup, O.: Contribution à l'étude de l'excrétion azotée chez les poissons. VII. Action des hormones corticoïdes et de l'ACTH. [Contribution to the Study of Azotic Excretion in Fish. VIII. Action of Corticoid Hormones and of ACTH] **11**, 77 (1971)
Pora, E.A., Abraham, A.D., Sildan-Rusu, N.: Biologie du chinchard de la Mer Noire *(Trachurus mediterraneus ponticus)*. XIV. Action des hormones stéroïdes sur certains processus du métabolisme intermédiaire. [Biology of the Black Sea-Scad *(Trachurus mediterraneus ponticus)*. XIV. Action of Steriod Hormones on Certain Processes of Intermediary Metabolism] **1**, 33 (1967)
Pora, E.A., Wittenberger, C., Suárez, G., Portilla, N.: The Resistance of *Crassostrea rhizophorae* to Starvation and Asphyxia **3**, 18 (1969)
Porcelli, M., see Parisi, G., et al. **41**, 191 (1977)
Porter, J.W., see Meyers, P.A., et al. **49**, 197 (1978)
Portilla, N., see Pora, E.A., et al. **3**, 18 (1969)
Portilla, N., see Wittenberger, C., et al. **3**, 24 (1969)
Portmann, J.E., Connor, P.M.: The Toxicity of Several Oil-Spill Removers to Some Species of Fish and Shellfish **1**, 322 (1968)
Postel, L., see Kaiser, W. **55**, 23 (1979)
Potts, D.C., Morris, R.W.: Some Body Fluid Characteristics of the Antarctic Fish, *Trematomus bernacchii* **1**, 269 (1968)
Poulet, S.A.: Seasonal Grazing of *Pseudocalanus minutus* on Particles **25**, 109 (1974)
Poulet, S.A.: Feeding of *Pseudocalanus minutus* on Living and Non-Living Particles **34**, 117 (1976)
Pouliot, D., see Cossa, D., et al. **58**, 7 (1980)
Power, J.H., see McCleave, J.D. **46**, 29 (1978)
Prasada Rao, D.G.V., Ganapati, P.N.: Respiration as a Function of Oxygen Concentration in Intertidal Barnacles **1**, 309 (1968)
Pratt, D.M.: Attraction to Prey and Stimulus to Attack in the Predatory Gastropod *Urosalpinx cinerea* **27**, 37 (1974)
Pratt, D.M.: Behavioral Defenses of *Crepidula fornicata* Against Attack by *Urolsalpinx cinerea* **27**, 47 (1974)
Precht, H., see Jankowsky, H.D., et al. **3**, 73 (1969)
Precht, H., see Künnemann, H., et al. **7**, 71 (1970)
Precup, O., see Pora E.A. **11**, 77 (1971)
Preece, G.S.: The Ecophysiological Complex of *Bathyporeia pilosa* and *B. pelagica* (Crustacea: Amphipoda). II. Effects of Exposure **11**, 28 (1971)
Preece, G.S., see Fish, J.D. **5**, 22 (1970)
Presley, B.J., see Roesijadi, G., et al. **27**, 213 (1974)
Presley, B.J., see Green, F.A., Jr., et al. **37**, 75 (1976)
Preston, A.: Concentrations of Iron-55 in Commercial Fish Species from the North Atlantic **6**, 345 (1970)
Prézelin, B.B., Ley, A.C.: Photosynthesis and Chlorophyll *a* Fluorescence Rhythms of Marine Phytoplankton **55**, 295 (1980)
Prézelin, B.B., Matlick, H.A.: Time-Course of Photoadaptation in the Photosynthesis-Irradiance Relationship of a Dinoflagellate Exhibiting Photosynthetic Periodicity **58**, 85 (1980)
Prézelin, B.B., Sweeney, B.M.: Photoadaptation of Photosynthesis in *Gonyaulax polyedra* **48**, 27 (1978)
Price, C.A., Onge-Burns, J.M. St., Colton, J.B., Jr., Joyce, J.E.: Automatic Sorting of Zooplankton by Isopycnic Sedimentation in Gradients of Silica: Performance of a "Rho Spectrometer" **42**, 225 (1977)
Price, C.A., see St.Onge, J.M. **29**, 187 (1975)
Price, C.A., see Bowen, R.A., et al. **14**, 242 (1972)
Price, M.H., see Childress, J.J. **50**, 47 (1978)
Prim, P., Lawrence, J.M.: Utilization of Marine Plants and Their Constituents by Bacteria Isolated from the Gut of Echinoids (Echinodermata) **33**, 167 (1975)
Pritchard, A.W., Eddy, S.: Lactate Formation in *Callianassa californiensis* and *Upogebia pugettensis* (Crustacea: Thalassinidea) **50**, 249 (1979)
Pritchard, A.W., see Miller, K.I., et al. **36**, 233 (1976)
Prouse, N.J., see Gordon, D.C., Jr. **22**, 329 (1973)
Provasoli, L.: Tribute to John D.H. Strickland **9**, 1 (1971)
Pruder, G.D., Bolton, E.T.: Differences Between Cell Division and Carbon Fixation Rates Associated with Light Intensity and Oxygen Concentration: Implications in the Cultivation of an Estuarine Diatom **59**, 1 (1980)
Prunus, G., see Pantoustier, G. **43**, 361 (1977)
Pugh, P.R.: Changes in the Fatty Acid Composition of *Coscinodiscus eccentricus* with Culture-Age and Salinity **11**, 118 (1971)
Pugh, P.R.: Variations in the Biochemical Composition of the Diatom *Coscinodiscus eccentricus* with Culture Age and Salinity **33**, 195 (1975)
Pulich, W.M., Jr., Winters, K., Baalen, C. Van: The Effects of a No. 2 Fuel Oil and Two Crude Oils on the Growth and Photosynthesis of Microalgae **28**, 87 (1974)
Pye, V.I., see Newell, R.C., et al. **9**, 138 (1971)

Q

Qasim, S.Z., Sankaranarayanan, V.N.: Organic Detritus of a Tropical Estuary **15**, 193 (1972)
Qasim, S.Z., Bhattathiri, P.M.A., Devassy, V.P.: The Influence of Salinity on the Rate of Photosynthesis and Abundance of Some Tropical Phytoplankton **12**, 200 (1972)
Qasim, S.Z., Bhattathiri, P.M.A , Devassy, V.P.: The Effect of Intensity and Quality of Illumination on the Photosynthesis of Some Tropical Marine Phytoplankton **16**, 22 (1972)
Qasim, S.Z., Bhattathiri, P.M.A., Devassy, V.P.: Growth Kinetics and Nutrient Requirements of Two Tropical Marine Phytoplankters **21**, 299 (1973)
Qasim, S.Z., see D'Silva, C. **52**, 343 (1979)
Qasim, S.Z., see Sankaranarayanan, V.N. **2**, 236 (1969)
Quetin, L.B., Childress, J.J.: Respiratory Adaptations of *Pleuroncodes planipes* to Its Environment off Baja California **38**, 327 (1976)
Quetin, L.B., Ross, R.M., Uchio, K.: Metabolic Characteristics of Midwater Zooplankton: Ammonia Excretion, O:N Ratios, and the Effect of Starvation **59**, 201 (1980)
Quinn, J.G., see Boehm, P.D. **44**, 227 (1977)
Quinn, J.G., see Patton, J.S. **21**, 59 (1973)
Quinn, J.G., see Schultz, D.M. **27**, 143 (1974)
Quinn, J.G., see Schultz, D.M. **40**, 117 (1977)
Quraishi, F.O., Spencer, C.P.: Studies on the Growth of Some Marine Unicellular Algae Under Different Artificial Light Sources **8**, 60 (1971)

R

Raalte, C.D. Van, Patriquin, D.G.: Use of the "Acetylene Blockage" Technique for Assaying Denitrification in a Salt Marsh **52**, 315 (1979)

Rabindranath, P.: Marine Gammaridae (Crustacea: Amphipoda) from the Indian Region. Family Ampithoidae **14**, 161 (1972)

Radha, E.: Some Notes on the Population Dynamics of the Monogenean Gill Parasite *Gastrocotyle indica* **8**, 213 (1971)

Radhakrishna, K.: Preliminary Studies on Primary Productivity at Payakonda, Gulf of Kandalaksha, White Sea **3**, 188 (1969)

Radhakrishna, K.: Primary Productivity Studies in the Shelf Waters off Alleppey, South-West India During the Post-Monsoon, 1967 **4**, 174 (1969)

Radil-Weiss, T., Kovačevič, N.: Some Biophysical Parameters of the Skin of the Electric Fish *Torpedo marmorata* **3**, 304 (1969)

Radil-Weiss, T., Kovačevič, N.: Influence of Low Temperature on the Discharge Mechanism of the Electric Fish *Torpedo marmorata* and *T. ocellata* **5**, 18 (1970)

Radil-Weiss, T., Lakočevič, L., Damjanovič, Z.: Spontaneous Activity of Neurons in the Visceral Ganglion of *Aplysia depilans* **6**, 241 (1970)

Radtke, R.L., Dean, J.M.: Feeding Conversion Efficiencies, and Growth of Larval Mummichogs, *Fundulus heteroclitus* **55**, 231 (1979)

Radziejewska, T., Chojnacki, J., Maslowski, J.: New Indicator Species in the Baltic Zooplankton in 1972 **23**, 111 (1973)

Rae, A.C., see Chapman, G. **3**, 341 (1969)

Rafail, S.Z.: Estimation of Abundance of Fish Populations by Capture-Recapture Experiments **10**, 1 (1971)

Rafail, S.Z.: Estimation of Some Parameters of Large Fish Populations by Capture-Recapture Experiments **10**, 8 (1971)

Rafail, S.Z.: A New Growth Model for Fishes and the Estimation of Optimum Age of Fish Populations **10**, 13 (1971)

Rafail, S.Z.: A further Contribution to the Study of Fish Populations by Capture-Recapture Experiments **14**, 338 (1972)

Rafail, S.Z.: Fitting a Parabola to Growth Data of Fishes and Some Applications to Fisheries **15**, 255 (1972)

Rafail, S.Z.: The Application of a Multiple-Recapture Technique for the Study of Relatively Small Fish Populations **16**, 253 (1972)

Rafail, S.Z.: The Application of a Multiple-Recapture Technique for the Study of Some Aspects of Dynamics of Large Fish Populations **17**, 251 (1972)

Rafail, S.Z.: A Simple and Precise Method for Fitting a Von Bertalanaffy Growth Curve **19**, 354 (1973)

Raghuraman, R., see Pandian, T.J. **12**, 129 (1972)

Rainbow, P.S., Scott, A.G.: Two Heavy Metal-Binding Proteins in the Midgut Gland of the Crab *Carcinus maenas* **55**, 143 (1979)

Rainbow, P.S., Walker, G.: The Functional Morphology and Development of the Alimentary Tract of Larval and Juvenile Barnacles (Cirripedia: Thoracica) **42**, 337 (1977)

Rainbow, P.S., see Jennings, J.R. **50**, 131 (1979)

Rainbow, P.S., see Jennings, J.R. **51**, 47 (1979)

Rainbow, P.S., see Walker, G., et al. **30**, 57 (1975)

Rainbow, P.S., see Walker, G., et al. **33**, 161 (1975)

Rainbow, P.S., see Jennings, J.R., et al. **50**, 141 (1979)

Rainer, S.F., Ivanovici, A.M., Wadley, V.A.: Effect of Reduced Salinity on Adenylate Energy Charge in Three Estuarine Molluscs **54**, 91 (1979). Corrigendum Notice **55**, 79 (1979)

Ralph, R., Maxwell, J.G.H.: Growth of Two Antarctic Lamellibranchs: *Adamussum colbecki* and *Laternula elliptica* **42**, 171 (1977)

Ramamurthy, V.D.: Experimental Study Relating to Red Tide **5**, 203 (1970)

Ramamurthy, V.D.; Antibacterial Activity of the Marine Blue-Green Alga *Trichodesmium erythraeum* in the Gastro-Intestinal Contents of the Sea Gull *Laurus brunicephalus* **6**, 74 (1970)

Ramamurthy, V.D.: Procedures Adopted for the Laboratory Cultivation of *Trichodesmium erythraeum* **14**, 232 (1972)

Ramnarine, A., see Lewis, A.G., et al. **11**, 1 (1971)

Ramnarine, A., see Lewis, A.G., et al. **17**, 215 (1972)

Ramus, J., Rosenberg, G.: Diurnal Photosynthetic Performance of Seaweeds Measured Under Natural Conditions **56**, 21 (1980)

Ramus, J., Beale, S.I., Mauzerall, D., Howard, K.L.: Changes in Photosynthetic Pigment Concentration in Seaweeds as a Function of Water Depth **37**, 223 (1976)

Ramus, J., Beale, S.I., Mauzerall, D.: Correlation of Changes in Pigment Content with Photosynthetic Capacity of Seaweeds as a Function of Water Depth **37**, 231 (1976)

Ramus, J., Lemons, F., Zimmermann, C.: Adaptation of Light-Harvesting Pigments to Downwelling Light and the Consequent Photosynthetic Performance of the Eulittoral Rockweeds *Ascophyllum nodosum* and *Fucus vesiculosus* **42**, 293 (1977)

Ramus, J., see Wassman, E.R. **21**, 289 (1973)

Randall, J.E., Hartmann, W.D.: Sponge-Feeding Fishes of the West Indies **1**, 216 (1968)

Randle, F.R., see Lickey, M.E., et al. **7**, 149 (1970)

Ranga Rao, K., see Fielder, D.R., et al. **9**, 219 (1971)

Rao, K.R., see Cantelmo, F.R. **46**, 17 (1978)

Rao, Teegavarapu R.: Influence of Salinity on the Eggs and Larvae of the California Killifish *Fundulus parvipinnis* **24**, 155 (1974)

Raps, M.E., Reish, D.J.: The Effects of Varying Dissolved Oxygen Concentrations on the Hemoglobin Levels of the Polychaetous Annelid *Neanthes arenaceodentata* **11**, 363 (1971)

Rastetter, E.B., Cooke, W.J.: Responses of Marine Fouling Communities to Sewage Abatement in Kaneohe Bay, Oahu, Hawaii **53**, 271 (1979)

Raymont, J.E.G., see Reeve, M.R., et al. **6**, 357 (1970)

Raymont, J.K.B., see Reeve, M.R., et al. **6**, 357 (1970)

Rea, W.A., see Phillips, B.F., et al. **39**, 31 (1977)

Rees, C.P.: Competitive Interactions and Substratum Preferences of Two Intertidal Isopods **30**, 21 (1975)

Rees, C.P., see Dolah, R.F. Van, et al. **33**, 323 (1975)

Rees, J.T.: Polyp and Medusa of *Dipurena bicircella* n. sp. (Hydrozoa: Corynidae) from Northern California **39**, 197 (1977)

Reeve, M.R., Raymont, J.E.G., Raymont, J.K.B.: Seasonal Biochemical Composition and Energy Sources of *Sagitta hispida* **6**, 357 (1970)

Reeve, M.R., see Baker, L.D. **26**, 57 (1974)

Reeve, M.R., see Farmer, L. **48**, 311 (1978)

Régis, M.B.: Particularités microstructurales du squelette de *Paracentrotus lividus* et *Arbacia lixula:* Rapports avec l'écologie et l'éthologie de ces échinoïdes. [Microstructural Features of the Skeleton of *Paracentrotus lividus* and *Arbacia lixula:* Relations with the Ecology and Ethology of These Echinoids] **54**, 373 (1979)

Regnault, M.: Acides aminés libres chez les larves de *Crangon septemspinosa* (Caridea). Variation de leur taux de l'éclosion à la métamorphose. Leur rôle au cours du développement et leur importance dans la nutrition. [Free Amino-Acids of the Larvae of *Crangon septemspinosa* (Caridea). Variation in Their Concentration from Eclosion to Metamorphosis. Their Role During Development and Their Importance in Nutrition] **11**, 35 (1971)

Regnault, M., Luquet, P.: Study by Evolution of Nucleic Acid Content of Prepuberal Growth in the Shrimp *Crangon vulgaris* **25**, 291 (1974)

Régnault, M.R., see Lagardère, J.-P. **57**, 157 (1980)

Reid, D.D., see Phillips, B.F., et al. **45**, 347 (1978)

Reid, F.M.H., see Beers, J.R., et al. **60**, 209 (1980)

Reid, P.C.: Continuous Plankton Records: Changes in the Composition and Abundance of the Phytoplankton of the North-Eastern Atlantic Ocean and North Sea, 1958–1974 **40**, 337 (1977)

Reid, P.C., see Colebrook, J.M., et al. **45**, 209 (1978)

Reimer, A.A.: Description of a *Tetraclita stalactifera panamensis* Community on a Rocky Intertidal Pacific Shore of Panama **35**, 225 (1976)

Reimer, A.A.: Succession of Invertebrates in

Vacant Tests of *Tetraclita stalactifera panamensis* **35**, 239 (1976)
Reise, K., Ax, P.: A Meiofaunal "Thiobios" Limited to the Anaerobic Sulfide System of Marine Sand Does Not Exist **54**, 225 (1979)
Reise, K., Ax, P.: Statement on the Thiobios-Hypothesis **58**, 31 (1980)
Reish, D.J., Hetherington, W.M., III: The Effects of Hyper- and Hypo-Chlorinities on Members of the Woodboring Genus *Limnoria* **2**, 137 (1969)
Reish, D.J., Stephens, G.C.: Uptake of Organic Material by Aquatic Invertebrates. V. The Influence of Age on the Uptake of Glycine-C^{14} by the Polychaete *Neanthes arenaceodentata* **3**, 352 (1969)
Reish, D.J., see Anderson, J.W. **1**, 56 (1967)
Reish, D.J., see Raps, M.E. **11**, 363 (1971)
Reish, D.J., see Bellan, G., et al. **14**, 183 (1972)
Reiss, Z., see Klinker, J., et al. **45**, 53 (1978)
Reiswig, H.M.: *In situ* Pumping Activities of Tropical Demospongiae **9**, 38 (1971)
Renfro, W.C.: Transfer of ^{65}Zn from Sediments by Marine Polychaete Worms **21**, 305 (1973)
Renfro, W.C., see Fowler, S.W., et al. **30**, 297 (1975)
Renger, E.H., see Cullen, J.J. **53**, 13 (1979)
Renger, E.H., see Eppley, R.W., et al. **39**, 111 (1977)
Renger, E.H., see Harrison, W.G., et al. **40**, 9 (1977)
Renshaw, R.W., see West, D.L. **7**, 332 (1970)
Renwrantz, L., see Gauwerky, C., et al. **26**, 369 (1974)
Revelante, N., Gilmartin, M.: The Effect of Po River Discharge on Phytoplankton Dynamics in the Northern Adriatic Sea **34**, 259 (1976)
Revie, J., see Rusby, J.S.M., et al. **22**, 271 (1973)
Reynolds, W.A., see McCammon, H.M. **34**, 41 (1976)
Reys, J.-P.: Les peuplements benthiques (zoobenthos) de la région de Marseille (France): aspects Méthodologiques de la délimitation des peuplements par les méthodes mathématiques. [The Benthic (Zoobenthos) Associations in the Region of Marseille (France): Methodological Aspects of Association Delinitation by Mathematical Methods] **36**, 123 (1976)
Reys, J.-P., see Blanc, F., et al. **35**, 49 (1976)
Reyssac, J., Roux, M.: Communautés phytoplanctoniques dans les eaux de Côte d'Ivoire. Groupes d'espèces associées. [Phytoplanktonic Communities in Ivory Coast Waters. Groups of Associated Species] **13**, 14 (1972)
Rhoads, D.C., Young, D.K.: Animal-Sediment Relations in Cape Cod Bay, Massachusetts. II. Reworking by *Molpadia oolitica* (Holothuroidea) **11**, 255 (1971)
Rhoads, D.C., see Young, D.K. **11**, 242 (1971)
Rhoads, D.C., see Lutz, R.A., et al. **57**, 127 (1980)
Rhodes, W.R., Jr., see Mangum, C.P., et al. **2**, 33 (1968)
Ribi, G., Jost, P.: Feeding Rate and Duration of Daily Activity of *Astropecten aranciacus* (Echinodermata: Asteroidea) in Relation to Prey Density **45**, 249 (1978)
Ribi, G., Schärer, R., Ochsner, P.: Stomach Contents and Size-Frequency Distributions of Two Coexisting Sea Star Species, *Astropecten aranciacus* and *A. bispinosus*, with Reference to Competition **43**, 181 (1977)
Ribi, G., see Burla, H., et al. **14**, 235 (1972)
Rice, A.L., Chapman, C.J.: Observations on the Burrows and Burrowing Behaviour of Two Muddwelling Decapod Crustaceans, *Nephrops norvegicus* and *Goneplax rhomboides* **10**, 330 (1971)
Rice, A.L., see Chapman, C.J. **10**, 321 (1971)
Rice, M.A., Chien, P.K.: Uptake, Binding and Clearance of Divalent Cadmium in *Glycera dibranchiata* (Annelida: Polychaeta) **53**, 33 (1979)
Richard, A., see Decleir, W., et al. **5**, 256 (1970)
Richard, J.D., Hughes, D.A.: Some Observations of Sea Turtle Nesting Activity in Costa Rica **16**, 297 (1972)
Richard, J.D., see Hughes, D.A. **24**, 97 (1974)
Richard, J.D., see Myrberg, A.A., Jr., et al. **2**, 264 (1969)
Richards, T.L.: Reproduction and Development of the Polychaete *Stauronereis rudolphi*, Including a Summary of Development in the Superfamily Eunicea **1**, 124 (1967)
Richardson, C.A., Dustan, P., Lang, J.C.: Maintenance of Living Space by Sweeper Tentacles of *Montastrea cavernosa*, a Caribbean Reef Coral **55**, 181 (1979)
Richardson, C.A., see Crisp, D.J. **33**, 155 (1975)
Richkus, W.A.: A Quantitative Study of Intertidepool Movement of the Wooly Sculpin *Clinocottus analis* **49**, 277 (1978)
Richman, S., Heinle, D.R., Huff, R.: Grazing by Adult Estuarine Calanoid Copepods of the Chesapeake Bay **42**, 69 (1977)
Richman, S., see Allan, J.D., et al. **43**, 317 (1977)
Richter, W., see Sarnthein, M. **28**, 159 (1974)
Rideout, R.S.: Asexual Reproduction as a Means of Population Maintenance in the Coral Reef Asteroid *Linckia multifora* on Guam **47**, 287 (1978)
Riedl, R.: Marinbiologische Aspekte der Wasserbewegung. [Marine Biological Aspects of Water Movement] **4**, 62 (1969)
Riedl, R.: In Memoriam Fritz Gessner **22**, 293 (1973)
Riedl, R.J., Machan, R.: Hydrodynamic Patterns in Lotic Intertidal Sands and Their Bioclimatological Implications **13**, 179 (1972)
Riedl, R.J., Huang, N., Machan, R.: The Subtidal Pump: A Mechanism of Interstitial Water Exchange by Wave Action **13**, 210 (1972)
Riedl, R.J., see Fenchel, T.M. **7**, 255 (1970)
Rieger, G., see Rützler, K. **21**, 144 (1973)
Rieger, R.M., Ruppert, E.: Resin Embedments of Quantitative Meiofauna Samples for Ecological and Structural Studies – Description and Application **46**, 223 (1978)
Rieger, R.M., see Coull, B.C., et al. **39**, 233 (1977)
Riemann, F., see Lopez, G., et al. **54**, 311 (1979)
Rieper, M.: Bacteria as Food for Marine Harpacticoid Copepods **45**, 337 (1978)
Riisgård, H.U.: Effect of Copper on Volume Regulation in the Marine Flagellate *Dunaliella marina* **50**, 189 (1979)
Riisgård, H.U., Møhlenberg, F.: An Improved Automatic Recording Apparatus for Determining the Filtration Rate of *Mytilus edulis* as a Function of Size and Algal Concentration **52**, 61 (1979)
Riisgård, H.U., Nørgård Nielsen, K., Søgaard-Jensen, B.: Further Studies on Volume Regulation and Effects of Copper in Relation to pH and EDTA in the Naked Marine Flagellate *Dunaliella marina* **56**, 267 (1980)
Riisgård, H.U., see Møhlenberg, F. **54**, 143 (1979)
Rijavec, M., see Kurelec, B., et al. **44**, 211 (1977)
Riley, J.P., see Kamatani, A. **55**, 29 (1979)
Rimmer, D.W., Phillips, B.F.: Diurnal Migration and Vertical Distribution of Phyllosoma Larvae of the Western Rock Lobster *Panulirus cygnus* **54**, 109 (1979). Corrigendum Notice **55**, 79 (1979)
Rimmer, D.W., see Phillips, B.F., et al. **45**, 347 (1978)
Ringo, D.L., see Silver, M.W., et al. **58**, 211 (1980)
Risebrough, R.W., see Martin, J.H., et al. **35**, 91 (1976)
Ritz, D.A.: Factors Affecting the Distribution of Rock-Lobster Larvae *(Panulirus longipes cygnus)* with Reference to Variability of Plankton-Net Catches **13**, 309 (1972)
Ritz, D.A., see Crisp, D.J. **23**, 327 (1973)
Rivier, I.K., see Mordukhai-Boltovskoi, Ph.D. **8**, 160 (1971)
Rivkin, R.B.: Effects of Lead on Growth of the Marine Diatom *Skeletonema costatum* **50**, 239 (1979)
Riznyk, R.Z., Phinney, H.K.: The Distribution of Intertidal Phytopsammon in an Oregon Estuary **13**, 318 (1972)
Rizzotti, M., see Comparini, A., et al. **43**, 109 (1977)
Robb, L., see Ansell, A.D. **43**, 63 (1977)
Roberts, D.: The Assimilation and Chronic Effects of Sub-Lethal Concentrations of Endosulfan on Condition and Spawning in the Common Mussel *Mytilus edulis* **16**, 119 (1972)
Roberts, D.J., Hughes, R.N.: Growth and Reproductive Rates of *Littorina rudis* from Three Contrasted Shores in North Wales, UK **58**, 47 (1980)
Robertson, A.I., Howard, R.K.: Diel Trophic Interactions Between Vertically-Migrating Zooplankton and Their Fish Predators in an Eelgrass Community **48**, 207 (1978)
Robertson, A.I., Mann, K.H.: The Role of Isopods and Amphipods in the Initial

Fragmentation of Eelgrass Detritus in Nova Scotia, Canada **59**, 63 (1980)
Robertson, P.: Biological Investigations of the Deep Sea. No. 48. Phyllosoma Larvae of a Scyllarid Lobster, *Arctides guineensis*, from the Western Atlantic **4**, 143 (1969)
Robins, D., see Williams, R. **52**, 247 (1979)
Robinson, W.E., Langton, R.W.: Digestion in a Subtidal Population of *Mercenaria mercenaria* (Bivalvia) **58**, 173 (1980)
Rodinò, E., see Comparini, A., et al. **43**, 109 (1977)
Roe, H.S.J.: Observations on the Diurnal Vertical Migrations of an Oceanic Animal Community **28**, 99 (1974)
Roe, H.S.J., Shale, D.M.: A New Multiple Rectangular Midwater Trawl (RMT 1+8M) and Some Modifications to the Institute of Oceanographic Sciences' RMT 1+8 **50**, 283 (1979)
Roe, H.S.J., Baker, A. de C., Carson, R.M., Wild, R., Shale, D.M.: Behaviour of the Institute of Oceanographic Science's Rectangular Midwater Trawls: Theoretical Aspects and Experimental Observations **56**, 247 (1980)
Roe, H.S.J., see Foxton, P. **28**, 37 (1974)
Roe, H.S.J., see Merrett, N.R. **28**, 115 (1974)
Roesijadi, G., Petrocelli, S.R., Anderson, J.W., Presley, B.J., Sims, R.: Survival and Chloride Ion Regulation of the Porcelain Crab *Petrolisthes armatus* Exposed to Mercury **27**, 213 (1974)
Roesijadi, G., Anderson, J.W., Petrocelli, S.R., Giam, C.S.: Osmoregulation of the Grass Shrimp *Palaemonetes pugio* Exposed to Polychlorinated Biphenyls (PCBs). I. Effect on Chloride and Osmotic Concentrations and Chloride- and Water-Exchange Kinetics **38**, 343 (1976)
Roesijadi, G., Anderson, J.W., Giam, C.S.: Osmoregulation of the Grass Shrimp *Palaemonetes pugio* Exposed to Polychlorinated Biphenyls (PCBs). II. Effect on Free Amino Acids of Muscle Tissue **38**, 357 (1976)
Röttger, R.: Ökologie und Postlarvalentwicklung von *Scottomyzon gibberum*, eines auf *Asterias rubens* parasitisch lebenden Copepoden (Cyclopoida siphonostoma). [Ecology and Postlarval Development of *Scottomyzon gibberum*, a Parasitic Copepod (Cyclopoida siphonostoma) Living on *Asterias rubens*] **2**, 145 (1969)
Röttger, R.: Die Kultur von *Heterostegina depressa* (Foraminifera: Nummulitidae). [The Culture of *Heterostegina depressa* (Foraminifera: Nummulitidae) **15**, 150 (1972)
Röttger, R.: Analyse von Wachstumskurven von *Heterostegina depressa* (Foraminifera: Nummulitidae). [Analysis of Growth Curves of *Heterostegina depressa* (Foraminifera: Nummulitidae)] **17**, 228 (1972)
Röttger, R.: Die Ektoplasmahülle von *Heterostegina depressa* (Foraminifera: Nummulitidae. [The Ectoplasm Sheath of *Heterostegina depressa* (Foraminifera: Nummulitidae)] **21**, 127 (1973)
Röttger, R.: Larger Foraminifera: Reproduction and Early Stages of Development in *Heterostegina depressa* **26**, 5 (1974)
Röttger, R., Berger, W.H.: Benthic Foraminifera: Morphology and Growth in Clone Cultures of *Heterostegina depressa* **15**, 89 (1972)
Röttger, R., Astheimer, H., Spindler, M., Steinborn, J.: Ökologie von *Asterocheres lilljeborgi*, eines auf *Henricia sanguinolenta* parasitisch lebenden Copepoden. [Ecology of *Asterocheres lilljeborgi*, a Parasitic Copepod Living on *Henricia Sanguinolenta*] **13**, 259 (1972)
Röttger, R., see Spindler, M. **18**, 146 (1973)
Roger, C.: Evaluation d'une population planctonique. [Evaluation of a Plankton Population] **2**, 66 (1968)
Roger, C.: Distribution verticale des euphausiacés (crustacés) dans les courants équatoriaux de l'Océan Pacifique. [Vertical Distribution of Euphausiids (Crustaceans) in the Equatorial Currents of the Pacific Ocean] **10**, 134 (1971)
Roger, C.: Recherches sur la situation trophique d'un groupe d'organismes pélagiques (Euphausiacea). [Investigations on the Trophic Position of a Group of Pelagic Organisms (Euphausiacea)]. I. Niveaux trophiques des espèces. [I. Trophic Levels of Species] **18**, 312 (1973)
Roger, C.: Main title see above. II. Comportements nutritionnels. [II. Trophic Behaviour] **18**, 317 (1973)
Roger, C.: Main title see above. III. Potentiel alimentaire du groupe. [III. The Group as a Food Source] **18**, 321 (1973)
Roger, C.: Main title see above. IV. Relations avec les autres éléments du micronecton. [IV. Relationships with Other Micronekton Elements] **19**, 54 (1973)
Roger, C.: Main title see above. V. Relations avec les thons. [V. Relationships with Tuna] **19**, 61 (1973)
Roger, C.: Main title see above. VI. Conclusions sur le rôle des euphausiacés dans les circuits trophiques de l'océan Pacifique intertropical. [VI. Conclusions on the Role of Euphausiids in the Food Webs of the Intertropical Pacific Ocean] **19**, 66 (1973)
Roger, C.: Rythmes nutritionnels et organisation trophique d'une population de crustacés pélagiques (Euphausiacea). [Feeding Rhythms and Trophic Organization of a Population of Pelargic Crustaceans (Euphausiacea)] **32**, 365 (1975)
Rohde, K.: Latitudinal Differences in Host-Specificity of Marine Monogenea and Digenea **47**, 125 (1978)
Rohde, K., Sandland, R.: Factors Influencing Clustering in the Intertidal Snail *Cerithium moniliferum* **30**, 203 (1975)
Rokop, F.J.: Seasonal Reproduction of the Brachiopod *Frieleia halli* and the Scaphopod *Cadulus californicus* at Bathyal Depths in the Deep Sea **43**, 237 (1977)
Roman, M.R.: Feeding of the Copepod *Acartia tonsa* on the Diatom *Nitzschia closterium* and Brown Algae *(Fucus vesiculosus)* Detritus **42**, 149 (1977)
Romeo, M., see Gnassia-Barelli, M., et al. **47**, 15 (1978)
Romeril, M.G.: The Uptake and Distribution of ^{65}Zn in Oysters **9**, 347 (1971)
Roosenburg, W.H., see Kennedy, V.S., et al. **24**, 137 (1974)
Roper, C.F.E., see Young, R.E., et al. **51**, 371 (1979)
Roper, C.F.E., see Young, R.E., et al. **53**, 69 (1979)
Ropes, J.W., see Thompson, I., et al. **57**, 35 (1980)
Rosa, J. La, see Fowler, S.W., et al. **30**, 297 (1975)
Rosa, J. La, see Fowler, S.W., et al. **46**, 267 (1978)
Rose, W.E., see Ukeles, R. **37**, 11 (1976)
Rosenberg, G., see Ramus, J. **56**, 21 (1980)
Rosenberg, R., Costlow, J.D., Jr.: Synergistic Effects of Cadmium and Salinity Combined with Constant and Cycling Temperatures on the Larval Development of Two Estuarine Crab Species **38**, 291 (1976)
Rosenberg, R., Olsson, I., Ölundh, E.: Energy Flow Model of an Oxygen-Deficient Estuary on the Swedish West Coast **42**, 99 (1977)
Rosenthal, H.: Parasites in Larvae of the Herring *Clupea harengus L.)* Fed with Wild Plankton **1**, 10 (1967)
Rosenthal, H.: Beobachtungen über die Entwicklung des Schwarmverhaltens bei den Larven des Herings *Clupea harengus*. [Observations on the Development of Schooling Behaviour in Larvae of the Herring *Clupea harengus*] **2**, 73 (1968)
Rosenthal, H.: Untersuchungen über das Beutefangverhalten bei Larven des Herings *Clupea harengus*. [Investigations on the Prey Catching Behaviour of Larvae of the Herring *Clupea harengus*] **3**, 208 (1969)
Rosenthal, H., Fonds, M.: Biological Observations During Rearing Experiments with the Garfish *Belone belone* **21**, 203 (1973)
Rosenthal, H., Stelzer, R.: Wirkungen von 2,4- und 2,5-Dinitrophenol auf die Embryonalentwicklung des Herings *Clupea harengus*. [Effects of 2,4- and 2,5-Dinitrophenol on the Embryological Development of the Herring *Clupea harengus*] **5**, 325 (1970)
Rosenthal, H., see Kinne, O. **1**, 65 (1967)
Rosenthal, H., see Stelzer, R., et al. **11**, 369 (1971)
Rosenthal, H., see Westernhagen, H. von, et al. **51**, 195 (1979)
Rosenthal, R.J., see Dayton, P.K., et al. **39**, 361 (1977)
Ross, L.G.: The Permeability to Oxygen of the Swimbladder of the Mesopelagic Fish *Ceratoscopelus maderensis* **37**, 83 (1976)
Ross, R.M., see Quetin, L.B., et al. **59**, 201 (1980)
Rossi, S.S., Anderson, J.W.: Accumulation and Release of Fuel-Oil-Derived Diaromatic Hydrocarbons by the Polychaete *Neanthes arenaceodentata* **39**, 51 (1977)
Roth, A.A., see Clausen, C.D. **33**, 85 (1975)
Roth, A.A., see Clausen, C.D. **33**, 93 (1975)

Roth, A. A., see Smith, A.D. **52**, 217 (1979)
Roth, F.J., Jr., see Meyers, S.P. et al. **1**, 118 (1967)
Roth, F.J., Jr., see Ahearn, D.G. et al. **1**, 291 (1968)
Rothlisberg, P.C.: Combined Effects of Temperature and Salinity on the Survival and Growth of the Larvae of *Pandalus jordani* (Decapoda: Pandalidae) **54**, 125 (1979)
Rottman, M.L.: Ecology of Recurrent Groups of Pteropods, Euphausiids, and Chaetognaths in the Gulf of Thailand and the South China Sea **48**, 63 (1978)
Round, F.E.: Occurrence and Rhythmic Behaviour of *Tropidoneis lepidoptera* in the Epipelon of Barnstable Harbor, Massachusetts, USA **54**, 215 (1979)
Round, F.E.: A Diatom Assemblage Living Below the Surface of Intertidal Sand Flats **54**, 219 (1979)
Roux, A. Le: Observations sur le développement larvaire de *Nyctiphanes couchii* (Crustacea: Euphausiacea) au laboratoire. [Observations on the Larval Development of *Nyctiphanes couchii* (Crustacea: Euphausiacea) in the Laboratory] **22**, 159 (1973)
Roux, A. Le: Observations sur le développement larvaire de *Meganyctiphanes norvegica* (Crustacea: Euphausiacea) au laboratoire. [Observations on the Larval Development of *Meganyctiphanes norvegica* (Crustacea: Euphausiacea) in the Laboratory] **26**, 45 (1974)
Roux, M., see Reyssac, J. **13**, 14 (1972)
Rowe, F., see Smith, D.F., et al. **54**, 49 (1979)
Rowe, G.T., see Polloni, P.T., et al. **20**, 170 (1973)
Rowe, G.T., see Haedrich, R.L., et al. **57**, 165 (1980)
Rowland Taylor, W., see Bosch, H.F. **19**, 161 (1973)
Rowland Taylor, W., see Bosch, H.F. **19**, 172 (1973)
Rowland Taylor, W., see McCarthy, J.J., et al. **24**, 7 (1974)
Roy, S., Legendre, L.: DCMU-Enhanced Fluorescence as an Index of Photosynthetic Activity in Phytoplankton **55**, 93 (1979)
Ruby, E.G., Fox, D.L.: Anaerobic Respiration in the Polychaete *Euzonus (Thoracophelia) mucronata* **35**, 149 (1976)
Rucker, J.B., see Long, E.R. **6**, 18 (1970)
Rudjakov, J.A.: The Possible Causes of Diel Vertical Migrations of Planktonic Animals **6**, 98 (1970)
Ruello, N.V.: The Influence of Rainfall on the Distribution and Abundance of the School Prawn *Metapenaeus macleayi* in the Hunter River Region (Australia) **23**, 221 (1973)
Ruello, N.V.: Migration and Stock Studies on the Australian School Prawn *Metapenaeus macleayi* **41**, 185 (1977)
Rützler, K., Macintyre, I.G.: Siliceous Sponge Spicules in Coral Reef Sediments **49**, 147 (1978)
Rützler, K., Rieger, G.: Sponge Burrowing: Fine Structure of *Cliona lampa* Penetrating Calcareous Substrata **21**, 144 (1973)
Rützler, K., see Jones, M.L. **33**, 57 (1975)
Rützler, K., see Kirsteuer, E. **20**, 78 (1973)
Ruggieri, G.D., see Cheung, P.J., et al. **43**, 157 (1977)
Rupp, J.H.: Effects of Temperature on Fertilization and Early Cleavage of Some Tropical Echinoderms, with Emphasis on *Echinometra mathaei* **23**, 183 (1973)
Ruppert, E., see Rieger, R.M. **46**, 223 (1978)
Rusby, J.S.M., Somers, M.L., Revie, J., McCartney, B.S., Stubbs, A.R.: An Experimental Survey of a Herring Fishery by Long-Range Sonar **22**, 271 (1973)
Russel, B.C.: Underwater Observations on the Reproductive Activit[illegible] of the Demoiselle *Chromis dispilus* (Pisces: Pomacentrudae) **10**, 22 (1971)
Russel, P.J.C.: Biological Studies on *Cardium glaucum*, Based on Some Baltic and Mediterranean Populations **16**, 290 (1972)
Rutherford, J.C.: Reproduction, Growth and Mortality of the Holothurian *Cucumaria pseudocurata* **22**, 167 (1973)
Rutherford, J.C.: Geographical Variation in Morphological and Electrophoretic Characters in the Holothurian *Cucumaria curata* **43**, 165 (1977)
Rutherford, J.C.: Variation in Egg Numbers Between Populations and Between Years in the Holothurian *Cucumaria curata* **43**, 175 (1977)
Rutledge, P.S., see Miller, K.I., et al. **36**, 233 (1976)
Rutman, J., Fishelson, L.: Food Composition and Feeding Behaviour of Shallow-Water Crinoids at Eilat (Red Sea) **3**, 46 (1969)
Ružić, I.: Two-Compartment Model of Radionuclide Accumulation into Marine Organisms. I. Accumulation from a Medium of Constant Activity **15**, 105 (1972)
Ružić, I., see Lucu, Č., et al. **5**, 294 (1970)
Ryan, C., see Lee, R.F., et al. **37**, 363 (1976)
Ryland, J.S., see Thorpe, J.P., et al. **49**, 27 (1978)
Ryland, J.S., see Thorpe, J.P., et al. **49**, 343 (1978)

S

Sabaut, J.J., Luquet, P.: Nutritional Requirements of the Gilthead Bream *Chrysophrys aurata*. Quantitative Protein Requirements **18**, 50 (1973)
Sach, G.: Zur Fortpflanzung des Polychaeten *Anaitides mucosa*. [On Reproduction in the Polychaete *Anaitides mucosa*] **31**, 157 (1975)
Saenko, G.N., Koryakova, M.D., Makienko, V.F., Dobrosmyslova, I.G.: Concentration of Polyvalent Metals by Seaweeds in Vostok Bay, Sea of Japan **34**, 169 (1976)
Saenko, G.N., Kravtsova, Y.Y., Ivanenko, V.V., Sheludko, S.I.: Concentration of Iodine and Bromine by Plants in the Seas of Japan and Okhotsk **47**, 243 (1978)
Sagua, V.O., see Bayagbona, E.O., et al. **11**, 178 (1971)
Said, M.M., see Badawi, H.K. **8**, 202 (1971)
Saifullah, S.M.: Inhibitory Effects of Copper on Marine Dinoflagellates **44**, 299 (1978)
Saijo, Y., Nishizawa, S.: Excitation Spectra in the Fluorometric Determination of Chlorophyll-a and Pheophytin-a **2**, 135 (1969)
Saijo, Y., Iizuka, S., Asaoka, O.: Chlorophyll Maxima in Kuroshio and Adjacent Area **4**, 190 (1969)
Saijo, Y., see Mitamura, O. **30**, 67 (1975)
Saijo, Y., see Mitamura, O. **58**, 147 (1980)
Saito, Y., see Kobayashi, K., et al. **12**, 295 (1972)
Sale, P.F.: Patterns of Use of Space in a Guild of Territorial Reef Fishes **29**, 89 (1975)
Sale, P.F., McWilliam, P.S., Anderson, D.T.: Composition of the Near-Reef Zooplankton at Heron Reef, Great Barrier Reef **34**, 59 (1976)
Sale, P.F., McWilliam, P.S., Anderson, D.T.: Faunal Relationships Among the Near-Reef Zooplankton at Three Locations on Heron Reef, Great Barrier Reef, and Seasonal Changes in this Fauna **49**, 133 (1978)
Sale, P.F., see Moran, M.J. **39**, 121 (1977)
Saleh, H.H.: A Comparative Study of the Length-Weight Equation and the Condition Factor of *Tilapia zillii* from Lake Mariut, Egypt **12**, 255 (1972)
Salghetti, U., see Galleni, L., et al. **55**, 317 (1980)
Saliba, L.J., Ahsanullah, M.: Acclimation and Tolerance of *Artemia salina* and *Ophryotrocha labronica* to Copper Sulphate **23**, 297 (1973)
Saliba, L.J., Krzyz, R.M.: Acclimation and Tolerance of *Artemia salina* to Copper Salts **38**, 231 (1976)
Saliba, L.J., Vella, M.G.: Effects of Mercury on the Behaviour and Oxygen Consumption of *Monodonta articulata* **43**, 277 (1977)
Saloman, C.H., Naughton, S.P.: Effect of Hurricane Eloise on the Benthic Fauna of Panama City Beach, Florida, USA **42**, 357 (1977)
Salser, B.R., see Clark, W.H., Jr., et al. **22**, 353 (1973)
Salvini-Plawen, L. von: Ein Priapulide mit Leptocniden aus dem Adriatischen Meer. [A Priapulid with Cleptocnids from the Adriatic Sea] **20**, 165 (1973)
Samain, J.F., see Alayse-Danet, A.M., et al. **51**, 41 (1979)
Samet, C., see Olla, B.L., et al. **45**, 369 (1978)
Samet, C., see Olla, B.L., et al. **59**, 23 (1980)
Sander, F., Moore, E.: Significance of Ammonia in Determining the N:P Ratio of the Sea Water off Barbados, West Indies **55**, 17 (1979)
Sandifer, P.A., see Shealy, M.H., Jr. **33**, 7 (1975)
Sandland, R., see Rohde, K. **30**, 203 (1975)
Sankaranarayanan, V.N., Qasim, S.Z.: Nutrients of the Cochin Backwater in Relation to Environmental Characteristics **2**, 236 (1969)
Sankaranarayanan, V.N., see Qasim, S.Z. **15**, 193 (1972)
Sankaranarayanan, V.N., see Ansell, A.D., et al. **17**, 38 (1972)

Santelices, B.: Water Movement and Seasonal Algal Growth in Hawaii **43**, 225 (1977)
Santelices, B., Castilla, J.C., Cancino, J., Schmiede, P.: Comparative Ecology of *Lessonia nigrescens* and *Durvillaea antarctica* (Phaeophyta) in Central Chile **59**, 119 (1980)
Santhakumari, V.: The Life Cycle of *Eutima commensalis* sp. nov. (Eutimidae, Hydromedusae) **5**, 113 (1970)
Santhakumari, V., see Vannucci, M., et al. **7**, 49 (1970)
Santos, E.P. dos: Populational Distribution I: The Digital Simulation **1**, 348 (1968)
Santos, E.P. dos, see Vannucci, M., et al. **7**, 49 (1970)
Santos, S.L., see Mangum, C.P., et al. **2**, 33 (1968)
Sarà, M.: Ultrastructural Aspects of the Symbiosis Between Two Species of the Genus *Aphanocapsa* (Cyanophyceae) and *Ircinia variabilis* (Demospongiae) **11**, 214 (1971)
Saraiva, M.C.: Effet de l'irradiation gamma (cobalt 60) sur les cultures d'une chlorophycée, *Dunaliella bioculata*. [Influence of Gamma Radiation (Cobalt 60) on Cultures of a Chlorophyte, *Dunaliella bioculata*] **15**, 74 (1972)
Saraiva, M.C., Fraizier, A.: Contamination par le ^{51}Cr et le ^{109}Cd de cultures de l'algue *Dunaliella bioculata*. [Contamination by ^{51}Cr and ^{109}Cd of Cultures of the Alga *Dunaliella bioculata*] **29**, 343 (1975)
Sargent, J.R., Lee, R.F.: Biosynthesis of Lipids in Zooplankton from Saanich Inlet, British Columbia, Canada **31**, 15 (1975)
Sargent, J.R., McIntosh, R.: Studies on the Mechanism of Biosynthesis of Wax Esters in *Euchaeta norvegi* **25**, 271 (1974)
Sargent, J.R., Gatten, R.R., McIntosh, R.: Metabolic Relationships Between Fatty Alcohol and Fatty Acid in the Liver of *Squalus acanthias* **10**, 346 (1971)
Sargent, J.R., Morris, R.J., McIntosh, R.: Biosynthesis of Wax Esters in Oceanic Crustaceans **46**, 315 (1978)
Sargent, J.R., McIntosh, R., Bauermeister, A., Blaxter, J.H.S.: Assimilation of the Wax Esters of Marine Zooplankton by Herring *(Clupea harengus)* and Rainbow Trout *(Salmo gairdnerii)* **51**, 203 (1979)
Sargent, J.R., see Henderson, R.J. **56**, 1 (1980)
Sargent, J.R., see Morris, R.J. **22**, 77 (1973)
Sargent, J.R., see Owen, J.M., et al. **13**, 160 (1972)
Sarnthein, M., Richter, W.: Submarine Experiments on Benthic Colonization of Sediments in the Western Baltic Sea. I. Technical Layout **28**, 159 (1974)
Sarver, D.J.: Recruitment and Juvenile Survival in the Sea Hare *Aplysia juliana* (Gastropoda: Opisthobranchia) **54**, 353 (1979)
Sass, J., see Blumer, M., et al. **5**, 195 (1970)
Sassaman, C., Mangum, C.P.: Patterns of Temperature Adaptation in North American Atlantic Coastal Actinians **7**, 123 (1970)
Sastry, A.N.: Metabolic Adaptation of *Cancer irroratus* Developmental Stages to Cyclic Temperatures **51**, 243 (1979)
Sastry, A.N., Zeitlin-Hale, L.: Survival of Communally Reared Larval and Juvenile Lobsters, *Homarus americanus* **39**, 297 (1977)
Sastry, A.N., see Vargo, S.L. **40**, 165 (1977)
Sastry, A.N., see Zeitlin-Hale, L. **47**, 369 (1978)
Sauerheber, R., see Lee, R.F., et al. **17**, 201 (1972)
Saugen, J.L., see Iverson, R.L., et al. **28**, 169 (1974)
Savidge, G.: Variations in the Progress of ^{14}C Uptake as a Source of Error in Estimates of Primary Production **49**, 295 (1978)
Savidge, G.: Photosynthetic Characteristics of Marine Phytoplankton from Contrasting Physical Environments **53**, 1 (1979)
Savory, A.M., see Vernberg, F.J., et al. **48**, 135 (1978)
Saward, D., Stirling, A., Topping, G.: Experimental Studies on the Effects of Copper on a Marine Food Chain **29**, 351 (1975)
Scarlato, O.A., see Golikov, A.N. **20**, 1 (1973)
Schaadt, J.G., see Carriker, M.R. **25**, 63 (1974)
Schärer, R., see Ribi, G., et al. **43**, 181 (1977)
Schaumann, K.: Experimentelle Untersuchungen zur Produktion und Aktivität cellulolytischer Enzyme bei höheren Pilzen aus dem Meer- und Brackwasser. [Experimental Studies on Production and Activity of Cellulolytic Enzymes by Higher Fungi from Marine and Brackish Waters] **28**, 221 (1974)
Scheibel, W.: Submarine Experiments on Benthic Colonization of Sediments in the Western Baltic Sea. II. Meiofauna **28**, 165 (1974)
Scheibling, R.E.: Abundance, Spatial Distribution, and Size Structure of Populations of *Oreaster reticulatus* (Echinodermata: Asteroidea) in Seagrass Beds **57**, 95 (1980). Corrigendum Notice **59**, 69 (1980)
Scheibling, R.E.: Abundance, Spatial Distribution, and Size Structure of Populations of *Oreaster reticulatus* (Echinodermata: Asteroidea) on Sand Bottoms **57**, 107 (1980)
Scheil, H.-G.: Beiträge zur Temperaturadaptation des Aales *Anguilla anguilla* IV. Einfluß der Adaptationstemperatur auf den denervierten Seitenmuskel. [Contributions to the Temperature Adaptation fo the Eel *Anguilla anguilla*. IV. Influence of Adaptation Temperature on the Denervated Lateral Muscle] **6**, 158 (1970)
Schell, D., see Caperon, J., et al. **54**, 33 (1979)
Scheltema, R.S.: Two New Records of Planctosphaera Larvae (Hemichordata: Planctosphaeroidea) **7**, 47 (1970)
Scheltema, R.S.: Dispersal of Phytoplanktotrophic Shipworm Larvae (Bivalvia: Teredinidae) over Long Distances by Ocean Currents **11**, 5 (1971)
Schembri, P.J., Jaccarini, V.: Some Aspects of the Ecology of the Echiuran Worm *Bonellia viridis* and Associated Infauna **47**, 55 (1978)
Scherübel, C., see Fedra, K., et al. **38**, 129 (1976)
Schiedges, K.-L.: Reproductive Biology and Ontogenesis in the Polychaete Genus *Autolytus* (Annelida: Syllidae): Observations on Laboratory-Cultured Individuals **54**, 239 (1979)
Schiemer, F., see Wieser, W., et al. **26**, 235 (1974)
Schipp, R., Hevert, F.: Distribution of Copper and Iron in Some Central Organs of *Sepia officinalis* (Cephalopoda). A Comparative Study by Flameless Atomic Absorption and Electron Microscopy **47**, 391 (1973)
Schlichter, D.: *Thalassoma amblycephalus* ein neuer Anemonenfisch-Typ. Allgemeine Aspekte zur Beurteilung der Vergesellschaftung von Riffanemonen und ihren Partnern. [*Thalassoma amblycephalus* a New Type of Anemone-Fish. General Aspects Concerning the Association of Reef-Anemones and Their Partners] **7**, 269 (1970)
Schlichter, D.: Chemische Tarnung. Die stoffliche Grundlage der Anpassung von Anemonenfischen an Riffanemonen. [Chemical Camouflage. The Chemical Basis of the Adaptation of Anemone Fishes to Reef Anemones] **12**, 137 (1972)
Schlichter, D.: Der Einfluß physikalischer und chemischer Faktoren auf die Aufnahme in Meerwasser gelöster Aminosäuren durch Aktinien. [The Influence of Physical and Chemical Factors on the Uptake by Actinians of Amino Acids Dissolved in Sea Water] **25**, 281 (1974)
Schlichter, D.: Die Bedeutung in Meerwasser gelöster Glucose für die Ernährung von *Anemonia sulcata* (Coelenterata: Anthozoa). [The Significance of Dissolved Glucose in Sea Water for the Nutrition of *Anemonia sulcata* (Coelenterata: Anthozoa)] **29**, 283 (1975)
Schlichter, D.: On the Ability of *Anemonia sulcata* (Coelenterata: Anthozoa) to Absorb Charged and Neutral Amino Acids Simultaneously **45**, 97 (1978)
Schlieper, C.: High Pressure Effects on Marine Invertebrates and Fishes **2**, 5 (1968)
Schlieper, C., see Theede, H., et al. **2**, 325 (1969)
Schmid, V., Tardent, P.: The Reconstitutional Performances of the Leptomedusa *Campanularia jonstoni* **8**, 99 (1971)
Schmidt, H.: *Anthopleura stellula* (Actiniaria, Actiniidae) and Its Reproduction by Transverse Fission **5**, 245 (1970)
Schmidt, H.: Bionomische Studien an mediterranen Anthozoen: die Anthozoenfauna des Strombolicchio (Äolische Inseln). [Bionomie Studies on Mediterranean Anthozoans: The Anthozoan Fauna of Strombolicchio (Aeolic Islands)] **15**, 265 (1972)
Schmidt, H.-E.: *Allorathkea ankeli* n. gen. n. sp. und *Thamnostoma eilatensis* n. sp. – zwei neue Hydromedusen (Anthomedusae: Hydrozoa) aus dem Roten Meer. [*Allorathkea ankeli* n. gen. n. sp. and *Thamnostoma eilatensis* n. sp. – Two New

Hydromedusae (Anthomedusae: Hydrozoa) from the Red Sea] **15**, 279 (1972)
Schmidt, H.-E.: Die vertikale Verteilung und tägliche Migration der Hydromedusen (Hydrozoa: Coelenterata) in der Bucht von Eilat (Rotes Meer). [The Vertical Distribution and Diurnal Migration of Hydromedusae (Hydrozoa: Coelenterata) in the Bay of Eilat (Red Sea)] **18**, 61 (1973)
Schmidt, P.: Zonation of the Interstitial Polychaete *Stygocapitella subterranea* (Stygocapitellidae) in European Sandy Beaches **7**, 319 (1970)
Schmidt, P., Teuchert, G.: Quantitative Untersuchungen zur Ökologie der Gastrotrichen im Gezeiten-Sandstrand der Insel Sylt. [Quantitative Investigations on the Ecology of Gastrotricha on the Tidal Beach of the Island Sylt] **4**, 4 (1969)
Schmidt, P., Westheide, W.: Der Einfluß der Temperatur auf Oocytenentwicklung und Eiablage bei dem interstitiellen Archianneliden *Trilobodrilus axi*. [The Influence of Temperature on Oocyte Development and Oviposition in the Interstitial Archiannelid *Trilobodrilus axi*] **10**, 94 (1971)
Schmidt, W.: Results of the UNDP(SF)/FAO Regional Fisheries Survey in West Africa. Report No. 1. Deep-Scattering *Sardinella aurita* off Mauritania **16**, 91 (1972)
Schmiede, P., see Santelices, B., et al. **59**, 119 (1980)
Schminke, H.K.: *Hexabathynella halophila* gen. n., sp. n. und die Frage nach der marinen Abkunft der Bathynellacea (Crustacea: Malacostraca). [*Hexabathynella halophila* gen. n., sp. n. and the Problem Concerning the Marine Origin of the Bathynellacea (Crustacea: Malacostraca)] **15**, 282 (1972)
Schmitt, R.J.: Mechanics and Timing of Egg Capsule Release by the Littoral Fringe Periwinkle *Littorina planaxis* (Gastropoda: Prosobranchia) **50**, 359 (1979)
Schmitz, K., Kremer, B.P.: Carbon Fixation and Analysis of Assimilates in a Coral-Dinoflagellate Symbiosis **42**, 305 (1977)
Schmitz, K., Lobban, C.S.: A Survey of Translocation in Laminariales (Phaeophyceae) **36**, 207 (1976)
Schmitz, K., see Kremer, B.P. **34**, 313 (1976)
Schmitz, K., see Lüning, K., et al. **23**, 275 (1973)
Schneider, D.E., see Hochachka, P.W., et al. **7**, 285 (1970)
Schneider, D.E., see Hulbert, W.C., et al. **36**, 217 (1976)
Schneider, D.E., see Hulbert, W.C., et al. **36**, 223 (1976)
Schneider, J.: Niedere Pilze als Testorganismen für Schadstoffe in Meer- und Brackwasser. Die Wirkung von Schwermetallverbindungen und Phenol auf *Thraustochytrium striatum*. [Lower Fungi as Test Organisms of Pollutants in Sea and Brackish Water. The Effects of Heavy Metal Compounds and Phenol on *Thraustochytrium striatum*] **16**, 214 (1972)
Schneppenheim, R., see Theede, H., et al. **36**, 183 (1976)
Schöne, H.K.: Experimentelle Untersuchungen zur Ökologie der marinen Kieselalge *Thalassiosira rotula*. I. Temperatur und Licht. [Experimental Investigations on the Ecology of the Marine Diatom *Thalassiosira rotula*. I. Temperature and Light] **13**, 284 (1972)
Schöne, H.K.: Experimentelle Untersuchungen zur Ökologie der marinen Kieselalge *Thalassiosira rotula*. II. Der Einfluß des Salzgehaltes. [Experimental Investigations on the Ecology of the Marine Diatom *Thalassiosira rotula*. II. The Influence of Salinity] **27**, 287 (1974)
Schöne, H.K., see Brockmann, U.H., et al. **43**, 1 (1977)
Scholz, N., see Janssen, H.H. **55**, 133 (1979)
Schrage, M., see Gerlach, S.A. **9**, 274 (1971)
Schrage, M., see Lopez, G., et al. **54**, 311 (1979)
Schramm, W.: Untersuchungen über den Einfluß von Ölverschmutzungen auf Meeresalgen. I. Die Wirkung von Rohölfilmen auf den CO_2-Gaswechsel außerhalb des Wassers. [Investigations on the Influence of Oil Pollutions on Marine Algae. I. The Effect of Crude-Oil Films on the CO_2 Gas Exchange Outside the Water] **14**, 189 (1972)
Schramm, W.: Langfristige *in situ*-Messungen zum Sauerstoffgaswechsel benthischer Meerespflanzen in einem kontinuierlich registrierenden Durchflußsystem. [Long-Term *in situ* Measurements of Oxygen Exchange in Marine Benthic Plants, in a Continuously Recording Flow-Through System] **22**, 335 (1973)
Schramm, W., see Gust, G. **26**, 365 (1974)
Schramm, W., see King, R.J. **37**, 209 (1976)
Schramm, W., see King, R.J. **37**, 215 (1976)
Schramm, W., see Ogata, E. **10**, 70 (1971)
Schuhmacher, H.: Das kommensalische Verhältnis zwischen *Periclimenes imperator* (Decapoda: Palaemonidae) und *Hexabranchus sanguineus* (Nudibranchia: Doridacae). [The Commensaltistic Relationship Between *Periclimenes imperator* (Decapoda: Palaemonidae) and *Hexabranchus sanguineus* (Nudibranchia: Doridacea)] **22**, 355 (1973)
Schulte, E., Holl, A.: Feinbau der Kopftentakel und ihrer Sinnesorgane bei *Blennius tentacularis* (Pisces, Blenniiformes). [Fine Structure of the Head Tentacles and Their Sensory Organs in *Blennius tentacularis* (Pisces, Blenniiformes)] **12**, 67 (1972)
Schulte, E., Holl, A., Meinel, W.: Feinstruktur des Trichterepithels von *Rhinomuraena ambonensis* (Teleostei, Anguilliformes). [Fine Structure of the Funnel Epithelium of *Rhinomuraena ambonensis* (Teleostei, Anguilliformes)] **11**, 61 (1971)
Schulte, E.H.: Influence of Algal Concentration and Temperature on the Filtration Rate of *Mytilus edulis* **30**, 331 (1975)
Schulte, G.: Gezeitenrhythmische Nahrungsaufnahme und Kotballenablage einer terrestrischen Milbe (Oribatei: Ameronothridae) im marinen Felslitoral. [Tidal Rhythms in Feeding and Defecation of a Terrestrial Mite (Oribatei: Ameronothridae) of Intertidal Rocks] **37**, 265 (1976)
Schulte, G., see Bahr, A. **36**, 37 (1976)
Schulz, D.M., Quinn, J.G.: Measurements of Phytol in Estuarine Suspended Organic Matter **27**, 143 (1974)
Schultz, D.M., Quinn, J.G.: Note on the Chromatographic Analyses of Marine Polyunsaturated Fatty Acids **40**, 117 (1977)
Schulz-Baldes, M.: Toxizität und Anreicherung von Blei bei der Miesmuschel *Mytilus edulis* im Laborexperiment. [Toxicity and Accumulation of Lead in the Common Mussel *Mytilus edulis* in Laboratory Experiment] **16**, 226 (1972)
Schulz-Baldes, M.: Die Miesmuschel *Mytilus edulis* als Indikator für die Bleikonzentration im Weserästuar und in der Deutschen Bucht. [The Common Mussel *Mytilus edulis* as Indicator for the Lead Concentration in the Weser Estuary and the German Bight] **21**, 98 (1973)
Schulz-Baldes, M.: Lead Uptake from Sea Water and Food, and Lead Loss in the Common Mussel *Mytilus edulis* **25**, 177 (1974)
Schulz-Baldes, M., Cheng, L.: Uptake and Loss of Radioactive Cadmium by the Sea-Skater *Halobates robustus* (Heteroptera: Gerridae) **52**, 253 (1979)
Schulz-Baldes, M., Cheng, L.: Cadmium in *Halobates micans* from the Central and South Atlantic Ocean **59**, 163 (1980)
Schulz-Baldes, M., see Stewart, J. **36**, 19 (1976)
Schulz-Baldes, M., see Cheng, L., et al. **54**, 201 (1979)
Scoppa, P., see Baudouin, M.F. **10**, 66 (1971)
Scott, A.G., see Rainbow, P.S. **55**, 143 (1979)
Scott, A.G., see Jennings, J.R., et al. **50**, 141 (1979)
Scott, B.D., Jitts, H.R.: Photosynthesis of Phytoplankton and Zooxanthellae on a Coral Reef **41**, 307 (1977)
Scott, E., see Meyers, S.P. **2**, 41 (1968)
Scotto di Carlo, B., see Hure, J. **28**, 179 (1974)
Scotton, L.N., see Sylva, D.P. de **12**, 122 (1972)
Scura, E.D., Theilacker, G.H.: Transfer of the Chlorinated Hydrocarbon PCB in a Laboratory Marine Food Chain **40**, 317 (1977)
Seapy, R.R.: Distribution and Abundance of the Epipelagic Mollusk *Carinaria japonica* in Waters off Southern California **24**, 243 (1974)
Seapy, R.R.: Predation by the Epipelagic Heteropod Mollusk *Carinaria cristata* forma *japonica* **60**, 137 (1980)
Seapy, R.R., Kitting, C.L.: Spatial Structure of an Intertidal Molluscan Assemblage on a Sheltered Sandy Beach **46**, 137 (1978)
Sears, J.R., Cooper, R.A.: Descriptive Ecology of Offshore, Deep-Water, Benthic Algae in the Temperate Western North Atlantic Ocean **44**, 309 (1978)
Sears, J.R., see Wilce, R.T., et al. **5**, 119 (1970)
Sebens, K.P., DeRiemer, K.: Diel Cycles of

Expansion and Contraction in Coral Reef Anthozoans **43**, 247 (1977)
Sedberry, G.R., Musick, J.A.: Feeding Strategies of Some Demersal Fishes of the Continental Slope and Rise off the Mid-Atlantic Coast of the USA **44**, 357 (1978)
Seely, G.R., Duncan, M.J., Vidaver, W.E.: Preparative and Analytical Extraction of Pigments from Brown Algae with Dimethyl Sulfoxide **12**, 184 (1972)
Seiple, W.: Distribution, Habitat Preferences and Breeding Periods in the Crustaceans *Sesarma cinereum* and *S. reticulatum* Brachyura: Decapoda: Grapsidae) **52**, 77 (1979)
Seki, H.: Microbial Clumps in Seawater in the Euphotic Zone of Saanich Inlet (British Columbia) **9**, 4 (1971)
Seki, H., Wada, E., Koike, I., Hattori, A.: Evidence of High Organotrophic Potentiality of Bacteria in the Deep Ocean **26**, 1 (1974)
Sekiguchi, H., McLaren, I.A., Corkett, C.J.: Relationship Between Growth Rate and Egg Production in the Copepod *Acartia clausi hudsonica* **58**, 133 (1980)
Semesi, A.K., Mshigeni, K.E.: Studies on the Content and Nature of the Phycocolloid from *Corynomorpha prismatica* (Rhodophyta, Cryptonemiales) **42**, 165 (1977)
Semina, H.J., Tarkhova, I.A., Truong, Ngoc An: Different Patterns of Phytoplankton Distribution, Cell Size, Species' Composition and Abundance **37**, 389 (1976)
Semina, H.J., see Beklemishev, C.W., et al. **15**, 57 (1972)
Sen Gupta, R.: Photosynthetic Production and Its Regulating Factors in the Baltic Sea **17**, 82 (1972)
Seshadri, R., Sieburth, J.McN.: Seaweeds as a Reservoir of *Candida* Yeasts in Inshore Waters **30**, 105 (1975)
Settle, D., see Patterson, C. **39**, 289 (1977)
Shah, N.M., Wright, R.T.: The Occurrence of Glycolic Acid in Coastal Sea Water **24**, 121 (1974)
Shah, N.M., see Wright, R.T. **33**, 175 (1975)
Shah, N.M., see Wright, R.T. **43**, 257 (1977)
Shale, D.M., see Roe, H.S.J. **50**, 283 (1979)
Shale, D.M., see Roe, H.S.J., et al. **56**, 247 (1980)
Shanks, A.L., see Mattison, J.E., et al. **39**, 25 (1977)
Shanks, A.M., see Cowey, C.B., et al. **28**, 207 (1974)
Shapiro, L.E., see Dolah, R.F. Van, et al. **33**, 323 (1975)
Shapiro, Y., see Klinker, J., et al. **45**, 53 (1978)
Sharma, P.N., see Gupta, A.N. **12**, 99 (1972)
Sharma, P.N., see Gupta, A.N. **19**, 89 (1973)
Sharp, J.H., see Eppley, R.W., et al. **39**, 111 (1977)
Sharp, J.R., see Lindén, O., et al. **51**, 101 (1979)
Sharp, J.W., Sitts, R.M., Knight, A.W.: Effects of Kelthane on the Estuarine Shrimp *Crangon franciscorum* **50**, 367 (1979)
Shaw, D.G., see Clement, L.E., et al. **57**, 41 (1980)
Shaw, D.G., see Stekoll, M.S., et al. **57**, 51 (1980)
Shaw, E., Allen, J.: Reproductive Behavior in the Female Shiner Perch *Cymatogaster aggregata* **40**, 81 (1977)
Shealy, M.H., Jr., Sandifer, P.A.: Effects of Mercury on Survival and Development of the Larval Grass Shrimp *Palaemonetes vulgaris* **33**, 7 (1975)
Sheehan, M.V., see Barnier, G.W., et al. **29**, 261 (1975)
Shehadeh, Z.H., see Peterson, G.L. **11**, 52 (1971)
Shelton, R.G.J., see Mackie, A.M. **14**, 217 (1972)
Sheludko, S.I., see Saenko, G.N., et al. **47**, 243 (1978)
Shetty, H.P.C., see Menon, N.R., et al. **41**, 127 (1977)
Shewbart, K.L., Mies, W.L., Ludwig, P.D.: Identification and Quantitative Analysis of the Amino Acids Present in Protein of the Brown Shrimp *Penaeus aztecus* **16**, 64 (1972)
Shick, J.M.: Temperature Sensitivity of Oxygen Consumption of Latitudinally Separated *Urosalpinx cinerea* (Prosobranchia: Muricidae) Populations **13**, 276 (1972)
Shick, J.M.: Physiological and Behavioral Responses to Hypoxia and Hydrogen Sulfide in the Infaunal Asteroid *Ctenodiscus crispatus* **37**, 279 (1976)
Shick, J.M., see Mangum, C.P., et al. **15**, 298 (1972)
Shifrin, M.A., see Zelickman, E.A., et al. **4**, 167 (1969)
Shimony, T., Nigrelli, R.F.: Studies on Arylsulphatases in the Barnacle *Balanus eburneus* **14**, 349 (1972)
Shimura, S., Fujita, Y.: Phycoerythrin and Photosynthesis of the Pelagic Blue-Green Alga *Trichodesmium thiebautii* in the Waters of Kuroshio, Japan **31**, 121 (1975)
Shimura, S., Fujita, Y.: Changes in the Activity of Fucoxanthin-Excited Photosynthesis in the Marine Diatom *Phaeodactylum tricornutum* Grown Under Different Culture Conditions **33**, 185 (1975)
Shisler, J.K., Jobbins, D.M.: Tidal Variations in the Movement of Organic Carbon in New Jersey Salt Marshes **40**, 127 (1977)
Shor, E.N.: Tribute to Carl L. Hubbs (18 October, 1894 to 30 June, 1979) **55**, 81 (1979)
Shores, D.L., see Backus, R.H., et al. **3**, 87 (1969)
Shuchman, E., Warburg, M.R.: Dispersal, Population Structure and Burrow Shape of *Ocypode cursor* **49**, 255 (1978)
Shulenberger, E.: Hyperiid Amphipods from the Zooplankton Community of the North Pacific Central Gyre **42**, 375 (1977)
Shulenberger, E., Hessler, R.R.: Scavenging Abyssal Benthic Amphipods Trapped Under Oligotrophic Central North Pacific Gyre Waters **28**, 185 (1974)
Shumway, S.E.: Effect of Salinity Fluctuation on the Osmotic Pressure and Na^+, Ca^{2+} and Mg^{2+} Ion Concentrations in the Hemolymph of Bivalve Molluscs **41**, 153 (1977)
Shumway, S.E.: Respiration, Pumping Activity and Heart Rate in *Ciona intestinalis* Exposed to Fluctuating Salinities **48**, 235 (1978)
Shumway, S.E., see Djangmah, J.S., et al. **50**, 209 (1979)
Shumway, S.E., see Djangmah, J.S., et al. **56**, 213 (1980)
Shushkina, E.A., see Vinogradov, M.E. **48**, 357 (1978)
Shushkina, E.A., see Vinogradov, M.E., et al. **16**, 261 (1972)
Sibuet, M., see Khripounoff, A. **60**, 17 (1980)
Sick, L.V.: Nutritional Effect of Five Species of Marine Algae on the Growth, Development, and Survival of the Brine Shrimp *Artemia salina* **35**, 69 (1976)
Sick, L.V., Johnson, C.C., Siegfried, C.A.: Fluxes of Dissolved and Particulate Calcium in Selected Tissues of *Crassostrea virginica* **54**, 293 (1979)
Siebenaller, J.F.: Genetic Variation in Deep-Sea Invertebrate Populations: The Bathyal Gastropod *Bathybembix bairdii* **47**, 265 (1978)
Siebers, D., Ehlers, U.: Heavy Metal Action on Transintegumentary Absorption of Glycine in Two Annelid Species **50**, 175 (1979). Corrigendum Notice **54**, 292 (1979)
Siebers, D., Lucu, Č., Sperling, K.-R., Eberlein, K.: Kinetics of Osmoregulation in the Crab *Carcinus maenas* **17**, 291 (1972)
Siebers, D., see Stelzer, R., et al. **11**, 369 (1971)
Siebers, D., see Lucu, Č., et al. **22**, 85 (1973)
Sieburth, J. McN.: An Instance of Bacterial Inhibition in Oceanic Surface Water **11**, 98 (1971)
Sieburth, J. McN., see Seshadri, R. **30**, 105 (1975)
Sieburth, J. McN., see Gessner, R.V., et al. **16**, 269 (1972)
Sieburth, J. McN., see Brooks, R.D., et al. **16**, 274 (1972)
Sieburth, J. McN., see Moebus, K., et al. **26**, 127 (1974)
Siegfried, C.A., see Sick, L.V., et al. **54**, 293 (1979)
Sikora, J.P., Sikora, W.B., Erkenbrecher, C.W., Coull, B.C.: Significance of ATP, Carbon, and Caloric Content of Meiobenthic Nematodes in Partitioning Benthic Biomass **44**, 7 (1977)
Sikora, W.B., see Sikora, J.P., et al. **44**, 7 (1977)
Sildan-Rusu, N., see Pora, E.A., et al. **1**, 33 (1967)
Silva, S.S. De: Food and Feeding Habits of the Herring *Clupea harengus* and the Sprat *C. sprattus* in Inshore Waters of the West Coast of Scotland **20**, 282 (1973)
Silva, S.S. De, see Perera, P.A.B. **44**, 383 (1978)
Silver, M.W., Mitchell, J.G., Ringo, D.L.: Siliceous Nanoplankton. II. Newly Discovered Cysts and Abundant Choanoflagellates from the Weddell Sea, Antarctica **58**, 211 (1980)
Simard, Y., see Legendre, L. **52**, 11 (1979)
Simmons, M.A., see Nelson, S.G., et al. **54**, 25 (1979)

Simon, J.L., see Dauer, D.M. **31**, 363 (1975)
Simon, J.L., see Dauer, D.M. **37**, 169 (1976)
Simon, J.L., see Bloom, S.A., et al. **13**, 43 (1972)
Simon, K.A.: Vital Staining of *Patiria miniata* Larvae **25**, 335 (1974)
Simpson, R.D.: The Reproduction of Some Littoral Molluscs from Macquarie Island (Sub-Antarctic) **44**, 125 (1977)
Sims, R., see Roesijadi, G., et al. **27**, 213 (1974)
Sims, R., see Green, F.A., Jr., et al. **37**, 75 (1976)
Sinclair, M.E., see Bergquist, P.R. **20**, 35 (1973)
Singh, H.T., see Mackie, A.M., et al. **29**, 307 (1975)
Sitts, R.M., see Sharp, J.W., et al. **50**, 367 (1979)
Sivadas, P., see Trevallion, A., et al. **6**, 268 (1970)
Sivadas, P., see Ansell, A.D., et al. **17**, 38 (1972)
Sivadas, P., see Ansell, A.D., et al. **17**, 311 (1972)
Sivadas, P., see Ansell, A.D., et al. **17**, 318 (1972)
Siviero, E., see Fossato, V.U. **25**, 1 (1974)
Skea, W., see Morris, I. **47**, 303 (1978)
Skjoldal, H.R., Båmstedt, U.: Ecobiochemical Studies on the Deep-Water Pelagic Community of Korsfjorden, Western Norway. Adenine Nucleotides in Zooplankton **42**, 197 (1977)
Skjoldal, H.R., Lännergren, C.: The Spring Phytoplankton Bloom in Lindåspollene, a Land-Locked Norwegian Fjord. II. Biomass and Activity of Net- and Nanoplankton **47**, 313 (1978)
Skjoldal, H.R., see Ikeda, T. **58**, 285 (1980)
Skorkowski, E.F.: Isolation of Three Chromatophorotropic Hormones from the Eyestalk of the Shrimp *Crangon crangon* **8**, 220 (1971)
Skorkowski, E.F.: Chromatophorotropic Neurohormones of the Shrimp *Crangon crangon*. Partial Purification of the Red-Pigment-Concentrating Hormone **19**, 149 (1973)
Slawyk, G., Collos, Y.: An Automated Assay for the Determination of Nitrate Reductase in Marine Phytoplankton **34**, 23 (1976)
Slawyk, G., see Collos, Y. **34**, 27 (1976)
Sleeter, T.D., Boyle, P.J., Cundell, A.M., Mitchell, R.: Relationships Between Marine Microorganisms and the Wood-Boring Isopod *Limnoria tripunctata* **45**, 329 (1978)
Slettengren, K., see Lundblad, G., et al. **53**, 311 (1979)
Slettengren, K., see Fänge, R., et al. **53**, 317 (1979)
Sloan, N.A.: A Pycnogonid-Ophiuroid Association **52**, 171 (1979)
Sloan, N.A.: Microhabitat and Resource Utilization in Cryptic Rocky Intertidal Echinoderms at Aldabra Atoll, Seychelles **54**, 269 (1979)
Slocum, C.J., see Paine, R.T., et al. **51**, 185 (1979)
Sluis, I. van der, see Oudejans, R.C.H.M. **50**, 255 (1979)
Sluis, I. van der, see Oudejans, R.C.H.M. **53**, 231 (1979)
Sluis, I. van der, see Oudejans, R.C.H.M. **53**, 239 (1979)
Sluis, I. van der, see Horst, D.J. van der, et al. **20**, 291 (1973)
Smaldon, G.: Population Structure and Breeding Biology of *Pisidia longicornis* and *Porcellana platycheles* **17**, 171 (1972)
Small, L.F., Fowler, S.W.: Turnover and Vertical Transport of Zinc by the Euphausiid *Meganyctiphanes norvegica* in the Ligurian Sea **18**, 284 (1973)
Small, L.F., Fowler, S.W., Ünlü, M.Y.: Sinking Rates of Natural Copepod Fecal Pellets **51**, 233 (1979)
Small, L.F., see Donaghay, P.L. **52**, 129 (1979)
Small, L.F., see Donaghay, P.L. **52**, 137 (1979)
Small, L.F., see Fowler, S.W., et al. **8**, 224 (1971)
Small, L.F., see Fowler, S.W., et al. **11**, 45 (1971)
Small, L.F., see Kečkeš, S., et al. **13**, 94 (1972)
Small, L.F., see Fowler, S.W., et al. **21**, 317 (1973)
Smayda, T.J., Mitchell-Innes, B.: Dark Survival of Autotrophic, Planktonic Marine Diatoms **25**, 195 (1974)
Smayda, T.J., see Durbin, E.G., et al. **32**, 271 (1975)
Smetacek, V., Bodungen, B. von, Bröckel, K. von, Zeitzschel, B.: The Plankton Tower. II. Release of Nutrients from Sediments Due to Changes in the Density of Bottom Water **34**, 373 (1976)
Smetacek, V., Bröckel, K. von, Zeitzschel, B., Zenk, W.: Sedimentation of Particulate Matter During a Phytoplankton Spring Bloom in Relation to the Hydrographical Regime **47**, 211 (1978)
Smetacek, V., see Bodungen, B. von, et al. **34**, 369 (1976)
Smith, A.C., Goldstein, R.A.: "Natural" Agglutinins Against Sea Urchin Sperm in the Hemolymph of the Crab *Cardisoma guanhumi* **8**, 6 (1971)
Smith, A.C., Little, H.F.: Liver Lesions Produced by Hydatid-Like Cysts in an Elasmobranch, the Electric Ray *(Torpedo californica)* **3**, 136 (1969)
Smith, A.D., Roth, A.A.: Effect of Carbon Dioxide Concentration on Calcification in the Red Coralline Alga *Bossiella orbigniana* **52**, 217 (1979)
Smith, D.F., Bulleid, N.C., Campbell, R., Higgins, H.W., Rowe, F., Tranter, D.J., Tranter, H.: Marine Food-Web Analysis: An Experimental Study of Demersal Zooplankton Using Isotopically Labelled Prey Species **54**, 49 (1979)
Smith, D.F., see Wiebe, W.J. **42**, 213 (1977)
Smith, D.W., see Dicker, H.J. **57**, 241 (1980)
Smith, K.L., Jr.: Benthic Community Respiration in the N.W. Atlantic Ocean: *In situ* Measurements from 40 to 5200 m **47**, 337 (1978)
Smith, K.L., Jr., Burns, K.A., Teal, J.M.: *In situ* Respiration of Benthic Communities in Castle Harbor, Bermuda **12**, 196 (1972)
Smith, L.S., see Watters, K.W., Jr. **19**, 133 (1973)
Smith, P.J.: Esterase Gene Frequencies and Temperature Relationships in the New Zealand Snapper *Chrysophrys auratus* **53**, 305 (1979)
Smith, S.L.: Nutrient Regeneration by Zooplankton During a Red Tide off Peru, with Notes on Biomass and Species Composition of Zooplankton **49**, 125 (1978)
Smith, S.L., Hall, B.K.: Transfer of Radioactive Carbon Within the Copepod *Temora longicornis* **55**, 277 (1980)
Smol, N., see Heip, C. **35**, 327 (1976)
Smol, N., see Heip, C., et al. **28**, 79 (1974)
Smol, N., see Heip, C., et al. **45**, 255 (1978)
Snyder, T.P., Gooch, J.L.: Genetic Differentiation in *Littorina saxatilis* (Gastropoda) **22**, 177 (1973)
Søgaard-Jensen, B., see Riisgård, H.U., et al. **56**, 267 (1980)
Soeldner, A.H., see Sullivan, B.K., et al. **30**, 175 (1975)
Sokolova, M.N.: Trophic Structure of Deep-Sea Macrobenthos **16**, 1 (1972)
Solis, N.B., Westernhagen, H. von: Vertical Distribution of Euthecosomatous Pteropods in the Upper 100 m of the Hilutangan Channel, Cebu, The Philippines **48**, 79 (1978)
Somero, G.N., see Childress, J.J. **52**, 273 (1979)
Somero, G.N., see Sullivan, K.M. **60**, 91 (1980)
Somers, M.L., see Rusby, J.S.M., et al. **22**, 271 (1973)
Somiya, H.: Functional Significance of the Yellow Lens in the Eyes of *Argyropelecus affinis* **34**, 93 (1976)
Soper, A.E., see Eisler, R., et al. **45**, 311 (1978)
Sorgeloos, P.: First Report on the Triggering Effect of Light on the Hatching Mechanism of *Artemia salina* Dry Cysts **22**, 75 (1973)
Sorgeloos, P., Persoone, G.: Three Simple Culture Devices for Aquatic Invertebrates and Fish Larvae with Continuous Recirculation of the Medium **15**, 251 (1972)
Sorokin, Yu. I.: Bacterial Populations as Components of Oceanic Ecosystems **11**, 101 (1971)
Sorokin, Yu. I.: Data on Biological Productivity of the Western Tropical Pacific Ocean **20**, 177 (1973)
Sorokin, Yu. I.: The Heterotrophic Phase of Plankton Succession in the Japan Sea **41**, 109 (1977)
Sorokin, Yu. I., see Vinogradov, M.E., et al. **6**, 187 (1970)
Sournia, A.: Cycle annuel du phytoplancton et de la production primaire dans les mers tropicales. [Annual Cycle of Phytoplankton and of Primary Production in the Tropical Seas] **3**, 287 (1969)
Sournia, A.: Primary Production of Sands in the Lagoon of an Atoll and the Role of Foraminiferan Symbionts **37**, 29 (1976)
Souza, G., see Blumer, M., et al. **5**, 195 (1970)

Souza, N.J. De, see Gandhi, N.M., et al. **34**, 223 (1976)
Spencer, C.P., see Budd, J.A. **2**, 92 (1968)
Spencer, C.P., see Quraishi, F.O. **8**, 60 (1971)
Sperling, K.-R., see Siebers, D., et al. **17**, 291 (1972)
Sperling, K.R., see Lucu, Č., et al. **22**, 85 (1973)
Spies, R.B., Davis, P.H..: The Infaunal Benthos of a Natural Oil Seep in the Santa Barbara Channel **50**, 227 (1979)
Spies, R.B., see Davis, P.H. **59**, 31 (1980)
Spight, T.M., Lyons, A.: Development and Functions of the Shell Sculpture of the Marine Snail *Ceratostoma foliatum* **24**, 77 (1974)
Spight, T.M., Birkeland, C., Lyons, A.: Life Histories of Large and Small Murexes (Prósobranchia: Muricidae) **24**, 229 (1974)
Spindler, M., Röttger, R.: Der Kammerbauvorgang der Großforaminifere *Heterostegina depressa* (Nummulitidae).] Chamber Formation in the Large Foraminifer *Heterostegina depressa* (Nummulitidae)] **18**, 146 (1973)
Spindler, M., see Röttger, R., et al. **13**, 259 (1972)
Spindler-Barth, M.: A Bacterial Infection in the Common Shore Crab *Carcinus maenas* and the Fiddler Crab *Uca pugilator* **36**, 1 (1976)
Spittler, P., see Gosselck, F., et al. **46**, 175 (1978)
Springer, K.F.: Fifty Volumes "Marine Biology" – A Note from the Publisher **50**, 386 (1979)
Srihari, K., see Krishnamoorthy, R.V. **21**, 341 (1973)
Srna, R.F., Baggaley, A.: Rate of Excretion of Ammonia by the Hard Clam *Mercenaria mercenaria* and the American Oyster *Crassostrea virginica* **36**, 251 (1976)
Srna, R.F., see Epifanio, C.E. **33**, 241 (1975)
Stachowitsch, M., see Fedra, K., et al. **38**, 129 (1976)
Stancyk, S.E.: Development of *Ophiolepis elegans* (Echinodermata: Ophiuroidea) and Its Implications in the Estuarine Environment **21**, 7 (1973)
Stancyk, S.E., see D'Apolito, L.M. **54**, 251 (1979)
Stanley, H.I., see Goldman, J.C. **28**, 17 (1974)
Stanley, S.O., Brown, C.M.: Inorganic Nitrogen Metabolism in Marine Bacteria: The Intracellular Free Amino Acid Pools of a Marine Pseudomonad **38**, 101 (1976)
Stanley, S.O., see Pearson, T.H. **53**, 371 (1979)
Stanley, S.O., see Brown, C.M., et al. **31**, 7 (1975)
Stanley, S.O., see Miller, D., et al. **50**, 375 (1979)
Stavn, R.H., see Bardolph, M. **46**, 327 (1978)
Stebbing, A.R.D.: Aspects of the Reproduction and Life Cycle of *Rhabdopleura compacta* (Hemichordata) **5**, 205 (1970)
Stebbing, A.R.D.: Growth of *Flustra foliacea* (Bryozoa) **9**, 267 (1971)
Steele, D.H., see Himmelman, J.H. **9**, 315 (1971)
Steele, J.H.: The Role of Predation in Ecosystem Models **35**, 9 (1976)
Steele, R., see Jackim, E., et al. **40**, 303 (1977)
Steemann Nielsen, E.: Growth of Plankton Algae as a Function of N-Concentration, Measured by Means of a Batch Technique **46**, 185 (1978)
Steemann Nielsen, E., Wium-Andersen, S.: Copper Ions as Poison in the Sea and in Freshwater **6**, 93 (1970)
Stefanon, A., see Newton, R.S. **31**, 287 (1975)
Stegeman, J.J., Teal, J.M.: Accumulation, Release and Retention of Petroleum Hydrocarbons by the Oyster *Crassostrea virginica* **22**, 37 (1973)
Stehn, B.O., see Norkrans, B. **47**, 201 (1978)
Steinborn, J., see Röttger, R., et al. **13**, 259 (1972)
Stekoll, M.S., Clement, L.E., Shaw, D.G.: Sublethal Effects of Chronic Oil Exposure on the Intertidal Clam *Macoma balthica* **57**, 51 (1980)
Stekoll, M.S., see Clement, L.E., et al. **57**, 41 (1980)
Stelzer, R., Rosenthal, H., Siebers, D.: Einfluß von 2,4-Dinitrophenol auf die Atmung und Konzentration einiger Metabolite bei Embryonen des Herings *Clupea harengus*. [Influence of 2,4-Dinitrophenol on Respiration and Concentration of Some Metabolites in Embryos of the Herring *Clupea harengus*] **11**, 369 (1971)
Stelzer, R., see Rosenthal, H. **5**, 325 (1970)
Stenström, T.A., see Kjelleberg, S., et al. **53**, 21 (1979)
Stephens, G.C., see Anderson, J.W. **4**, 243 (1969)
Stephens, G.C., see Reish, D.J. **3**, 352 (1969)
Stephens, J.S., Jr., see Ellison, J.P., et al. **52**, 161 (1979)
Stepien, W.P., Jr.: Feeding of Laboratory-Reared Larvae of the Sea Bream *Archosargus rhomboidalis* (Sparidae) **38**, 1 (1976)
Sterrer, W.E., see Coull, B.C., et al. **39**, 233 (1977)
Steudle, E., see Zimmermann, U. **11**, 132 (1971)
Steven, D.M.: Primary Productivity of the Tropical Western Atlantic Ocean near Barbados **10**, 261 (1971)
Steven, D.M., Brooks, A.L.: Identification of Amazon River Water at Barbados, W. Indies, by Salinity and Silicate Measurements **14**, 345 (1972)
Stevens, J.D., Brown, B.E.: Occurrence of Heavy Metals in the Blue Shark *Prionace glauca* and Selected Pelagic Fish in the N.E. Atlantic Ocean **26**, 287 (1974)
Stevenson, L.H., see Erkenbrecher, C.W. **40**, 121 (1977)
Stewart, G.L., see Beers, J.R. **4**, 182 (1969)
Stewart, G.L., see Beers, J.R., et al. **60**, 209 (1980)
Stewart, J., Schulz-Baldes, M.: Long-Term Lead Accumulation in Abalone (*Haliotis* spp.) Fed on Lead-Treated Brown Algae *(Egregia laevigata)* **36**, 19 (1976)
Stewart, M.E., see Blogoslawski, W.J. **45**, 261 (1978)
Stickle, W.B., Denoux, G.J.: Effects of *in situ* Tidal Salinity fluctuations on Osmotic and Ionic Composition of Body Fluid in Southeastern Alaska Rocky Intertidal Fauna **37**, 125 (1976)
Stickle, W.B., Howey, T.W.: Effects of Tidal Fluctuations of Salinity on Hemolymph Composition of the Southern Oyster Drill *Thais haemastoma* **33**, 309 (1975)
Stickle, W.B., see Findley, A.M. **46**, 9 (1978)
Stickle, W.B., see Hand, S.C. **42**, 259 (1977)
Stickle, W.B., see Findley, A.M., et al. **49**, 59 (1978)
Stickney, R.R., Knowles, S.C.: Summer Zooplankton Distribution in a Georgia Estuary **33**, 147 (1975)
Stimson, J.S.: Mode and Timing of Reproduction in Some Common Hermatypic Corals of Hawaii and Enewetak **48**, 173 (1978)
Stirling, A., see Saward, D., et al. **29**, 351 (1975)
Stirling, A., see McLusky, D.S., et al., **30**, 267 (1975)
Stirling, H.P.: Effects of Experimental Feeding and Starvation on the Proximate Composition of the European Bass *Dicentrarchus labrax* **34**, 85 (1976)
Stirling, H.P.: Growth, Food Utilization and Effect of Social Interaction in the European Bass *Dicentrarchus labrax* **40**, 173 (1977)
Stofan, P.E., see Manzi, J.J., et al. **41**, 29 (1977)
Stone, D.P., see Falkowski, P.G. **32**, 77 (1975)
Stone, R.J., see Lee, J.J., et al. **4**, 44 (1969)
Stoner, A.W.: Species-Specific Predation on Amphipod Crustacea by the Pinfish *Lagodon rhomboides:* Mediation by Macrophyte Standing Crop **55**, 201 (1979)
Stoner, A.W., Livingston, R.J.: Distributional Ecology and Food Habits of the Banded Blenny *Paraclinus fasciatus* (Clinidae): A Resident in a Mobile Habitat **56**, 239 (1980)
St.Onge, J.M., Price, C.A.: Automatic Sorting of Ichthyoplankton; Factors Controlling Plankton Density in Gradients of Silica **29**, 187 (1975)
Storch, V., Lehnert-Moritz, K.: Zur Entwicklung der Kolloblasten von *Pleurobrachia pileus* (Ctenophora). [On the Development of the Colloblasts of *Pleurobrachia pileus* (Ctenophoral)] **28**, 215 (1974)
Storch, V., Welsch, U.: The Ultrastructure of Epidermal Mucous Cells in Marine Invertebrates (Nemertini, Polychaeta, Prosobranchia, Ophistobranchia) **13**, 167 (1972)
Storch, V., Welsch, U.: Ultrastructure and Histochemistry of the Integument of Air-Breathing Polychaetes from Mangrove Swamps of Sumatra **17**, 137 (1972)
Storch, V., Welsch, U.: Über Bau und Funktion der Kiemen und Lungen von *Ocypode ceratophthalma* (Decapoda: Crustacea). [On the Structure and Function of the Gills and Lungs of *Ocypode ceratophthalma* (Decapoda: Crustacea)] **29**, 363 (1975)
Storch, V., see Moritz, K. **16**, 81 (1972)

Storch, V., see Welsch, U. **6**, 142 (1970)
Stotz, W.B.: Functional Morphology and Zonation of Three Species of Sea Anemones from Rocky Shores in Southern Chile **50**, 181 (1979)
Strathmann, R.: Function of Lateral Cilia in Suspension Feeding of Lophophorates (Brachiopoda, Phoronida, Ectoprocta) **23**, 129 (1973)
Strathmann, R., Bonar, D.: Ciliary Feeding of Tornaria Larvae of *Ptychodera flava* (Hemichordata: Enteropneusta) **34**, 317 (1976)
Strathmann, R.R., Vedder, K.: Size and Organic Content of Eggs of Echinoderms and Other Invertebrates as Related to Developmental Strategies and Egg Eating **39**, 305 (1977)
Strickland, J.D.H., see Paffenhöfer, G.A. **5**, 97 (1970)
Strøm, A.R.: Biosynthesis of Trimethylamine Oxide in Calanoid Copepods. Seasonal Changes in Trimethylamine Monooxygenase Activity **51**, 33 (1979)
Strömberg, C., see Bertmar, G. **3**, 107 (1969)
Strohal, P., see Lucu, Č., et al. **2**, 103 (1969)
Stubbs, A.R., see Rusby, J.S.M., et al. **22**, 271 (1973)
Studholme, A.L., see Olla, B.L., et al. **45**, 369 (1978)
Studholme, A.L., see Olla, B.L., et al. **59**, 23 (1980)
Suárez, G., see Pora, E.A., et al. **3**, 18 (1969)
Suárez, G., see Wittenberger, C., et al. **3**, 24 (1969)
Subbaraju, R.C., Krishnamurthy, K.: Ecological Aspects of Plankton Production **14**, 25 (1972)
Subramoniam, T.: Aspects of Sexual Biology of the Anomuran Crab *Emerita asiatica* **43**, 369 (1977)
Suchanek, T.H., see Levinton, J.S. **49**, 363 (1978)
Sulkin, S.D., Morgan, R.P., II, Minasian, L.L., Jr.: Biochemical Changes During Larval Development of the Xanthid Crab *Rhithropanopeus harrisii*. II. Nucleic Acids **32**, 113 (1975)
Sulkin, S.D., see Frank, J.R., et al. **32**, 105 (1975)
Sulkin, S.D., see Morgan, R.P., II, et al. **48**, 223 (1978)
Sullivan, B.K., Miller, C.B., Peterson, W.T., Soeldner, A.H.: A Scanning Electron Microscope Study of the Mandibular Morphology of Boreal Copepods **30**, 175 (1975)
Sullivan, K.M., Somero, G.N.: Enzyme Activities of Fish Skeletal Muscle and Brain as Influenced by Depth of Occurrence and Habits of Feeding and Locomotion **60**, 91 (1980)
Sunda, W.G., see Engel, D.W. **50**, 121 (1979)
Sundararaj, V., see Krishnamurthy, K. **23**, 229 (1973)
Sutherland, D.J., see Fitzpatrick, G. **46**, 23 (1978)
Sutherland, J.P.: Dynamics of the Epibenthic Community on Roots of the Mangrove *Rhizophora mangle*, at Bahia de Buche, Venezuela **58**, 75 (1980)
Svansson, A., see Becacos-Kontos, T. **2**, 140 (1969)
Swanberg, N.: The Feeding Behavior of *Beroe ovata* **24**, 69 (1974)
Swedmark, M., Braaten, B., Emanuelsson, E., Granmo, Å.: Biological Effects of Surface Active Agents on Marine Animals **9**, 183 (1971)
Sweeney, B.M., see Prézelin, B.B. **48**, 27 (1978)
Sylva, D.P. de, Scotton, L.N.: Larvae of Deep-Sea fishes (Stomiatoidea) from Biscayne Bay, Florida, USA, and Their Ecological Significance **12**, 122 (1972)
Szekielda, K.H.: Le carbone particulaire dans les masses d'eau profondes. [The Particulate Carbon in the Deep-Sea Water Masses] **2**, 71 (1968)
Szekielda, K.H., see Kerambrun, P. **4**, 352 (1969)
Szekielda, K.H., see Blanc, F., et al. **1**, 43 (1967)
Szekielda, K.H., see Blanc, F., et al. **3**, 233 (1969)
Szlep, R., see Karplus, I., et al. **15**, 95 (1972)
Szlep, R., see Karplus, I., et al. **17**, 275 (1972)
Szlep, R., see Karplus, I., et al. **24**, 259 (1974)
Szmant-Froelich, A.: Structure, Iodination and Growth of the Axial Skeletons of *Muricea californica* and *M. fruticosa* (Coelenterata: Gorgonacea) **27**, 299 (1974)

T

Taft, J.L., Taylor, W.R., McCarthy, J.J.: Uptake and Release of Phosphorus by Phytoplankton in the Chesapeake Bay Estuary, USA **33**, 21 (1975)
Taga, N., Kobori, H.: Phosphatase Activity in Eutrophic Tokyo Bay **49**, 223 (1978)
Taga, N., see Maeda, M. **20**, 58 (1973)
Taghon, G.L., see Feller, R.J., et al. **54**, 61 (1979)
Taguchi, S.: Short-Term Variability of Photosynthesis in Natural Marine Phytoplankton Populations **37**, 197 (1976)
Takahashi, M., Ichimura, S.: Glucose Uptake in Ocean Profiles with Special Reference to Temperature **11**, 206 (1971)
Takahashi, M., Fujii, K., Parsons, T.R.: Simulation Study of Phytoplankton Photosynthesis and Growth in the Fraser River Estuary **19**, 102 (1973)
Takemura, A.: Studies on Underwater Sounds III. On the Mechanism of Sound Production and the Underwater Sounds Produced by *Linuparus trigonus* **9**, 87 (1971)
Talbot, P., see Clark, W.H., Jr., et al. **22**, 353 (1973)
Tanaka, H., Imayama, Y., Azeta, M., Anraku, M.: A Hydrodynamic Study of a Modified Model of the Clarke Jet Net **1**, 204 (1968)
Tanaka, H., Kasai, H., Imayama, Y., Kimura, S., Azeta, M., Anraku, M.: Hydrodynamic and Towing Characteristics of a Modified Model of the Clarke Jet Net **2**, 297 (1969)
Taniguchi, A.: Phytoplankton-Zooplankton Relationships in the Western Pacific Ocean and Adjacent Seas **21**, 115 (1973)
Taniguchi, A., see Motoda, S., et al. **46**, 93 (1978)
Tantanasiriwong, R., see Holland, D.L., et al. **33**, 235 (1975)
Tardent, P., see Schmid, V. **8**, 99 (1971)
Targett, T.E.: Food Resource Partitioning by the Pufferfishes *Sphoeroides spengleri* and *S. testudineus* from Biscayne Bay, Florida **49**, 83 (1978)
Tarkhova, I.A., see Semina, H.J., et al. **37**, 389 (1976)
Taruski, A.G., see Winn, H.E., et al. **23**, 343 (1973)
Taslakian, M.J., Hardy, J.T.: Sewage Nutrient Enrichment and Phytoplankton Ecology Along the Central Coast of Lebanon **38**, 315 (1976)
Tatem, H.E., see Anderson, J.W., et al. **27**, 75 (1974)
Taylor, B.F., see Capone, D.G. **40**, 19 (1977)
Taylor, B.F., see Capone, D.G., et al. **40**, 29 (1977)
Taylor, D.L., see Capone, D.G., et al. **40**, 29 (1977)
Taylor, F.J.R., see Holm-Hansen, O., et al. **7**, 37 (1970)
Taylor, W.R., see Taft, J.L., et al. **33**, 21 (1975)
Teal, J.M., see Smith, K.L., Jr. **12**, 196 (1972)
Teal, J.M., see Stegeman, J.J. **22**, 37 (1973)
Teal, J.M., see Polloni, P.T., et al. **20**, 170 (1973)
Teal, J.M., see Valiela, I., et al. **40**, 135 (1977)
Telek, G., Marshall, N.: Using a CHN Analyzer to Reduce Carbonate Interference in Particulate Organic Carbon Analyses **24**, 219 (1974)
Telek, G., see Eisler, R., et al. **45**, 311 (1978)
Tempel, N.R., see Brinkhuis, B.H., et al. **34**, 349 (1976)
Ten, V.S.: On Polyphagism **5**, 169 (1970)
Teng, S.-K., see Chua, T.-E. **54**, 363 (1979)
Tenore, K.R.: Utilization of Aged Detritus Derived from Different Sources by the Polychaete *Capitella capitata* **44**, 51 (1977)
Tenore, K.R., Dunstan, W.M.: Comparison of Feeding and Biodeposition of Three Bivalves at Different Food Levels **21**, 190 (1973)
Terazaki, M., Marumo, R., Fujita, Y.: Pigments of Meso- and Bathypelagic Chaetognaths **41**, 119 (1977)
Terry, C., see Ellison, J.P., et al. **52**, 161 (1979)
Tesch, F.-W.: Homing of Eels *(Anguilla anguilla)* in the Southern North Sea **1**, 2 (1967)
Tesch, F.-W.: Heimfindevermögen von Aalen *Anguilla anguilla* nach Beeinträchtigung des Geruchssinnes, nach Adaptation oder nach Verpflanzung in ein Nachbar-Ästuar. [Homing Capacity of Eels *Anguilla anguilla* After Obstruction of the Olfactory Sense, After Adaptation, or After Transplantation into a Neighbouring Estuary] **6**, 148 (1970)

Tesch, F.-W., see Deelder, C.L. **6**, 81 (1970)
Tesch, F.-W., see Pantelouris, E.M., et al. **9**, 242 (1971)
Teshima, K., Koga, S.: Studies on Sharks. V. Taxonomic Characteristics of Reproductive Organs in Japanese *Mustelus* **23**, 337 (1973)
Teshima, K., Mizue, K.: Studies on Sharks. I. Reproduction in the Female Sumitsuki Shark *Carcharhinus dussumieri* **14**, 222 (1972)
Teshima, S., Kanazawa, A., Okamoto, H.: Variation in Lipid Classes During the Molting Cycle of the Prawn *Penaeus japonicus* **39**, 129 (1977)
Teshima, S., see Kanazawa, A., et al. **34**, 53 (1976)
Teshima, S., see Ando, T., et al. **50**, 169 (1979)
Tett, P.B.: An Annual Cycle of Flash Induced Luminescence in the Euphausiid *Thysanoëssa raschii* **12**, 207 (1972)
Teuchert, G.: Zum Protonephridialsystem mariner Gastrotrichen der Ordnung Macrodasyoidea. [On the Protonephridial System of Marine Gastrotrichs of the Order Macrodasyoidea] **1**, 110 (1967)
Teuchert, G., see Schmidt, P. **4**, 4 (1969)
Thampy, D.M., John, P.A.: The Androgenic Gland of the Shrimp *Palaemon dayanus* **12**, 285 (1972)
Theede, H.: Einige neue Aspekte bei der Osmoregulation von *Carcinus maenas*. [Some New Aspects in the Osmoregulation of *Carcinus maenas*] **2**, 114 (1969)
Theede, H.: Vergleichende ökologisch-physiologische Untersuchungen zur zellulären Kälteresistenz mariner Evertebraten. [Comparative Eco-Physiological Studies on Cellular Cold Resistance of Marine Invertebrates] **15**, 160 (1972)
Theede, H., Ponat, A.: Die Wirkung der Sauerstoffspannung auf die Druckresistenz einiger mariner Wirbelloser. [The Influence of Oxygen Tension on the Pressure Resistance of Some Marine Invertebrates] **6**, 66 (1970)
Theede, H., Ponat, A., Hiroki, K., Schlieper, C.: Studies on the Resistance of Marine Bottom Invertebrates to Oxygen-Deficiency and Hydrogen Sulphide **2**, 325 (1969)
Theede, H., Schneppenheim, R., Béress, L.: Frostschutz-Glykoproteine bei *Mytilus edulis?* [Antifreeze Glycoproteins in *Mytilus edulis?*] **36**, 183 (1976)
Theede, H., see Dries, R.-R. **25**, 327 (1974)
Theede, H., see Ponat, A. **18**, 1 (1973)
Theilacker, G.H., McMaster, M.F.: Mass Culture of the Rotifer *Brachionus plicatilis* and Its Evaluation as a Food for Larval Anchovies **10**, 183 (1971)
Theilacker, G.H., see Scura, E.D. **40**, 317 (1977)
Theilacker, G.H., see Lasker, R., et al. **5**, 345 (1970)
Thiel, H., see Coull, B.C., et al. **39**, 233 (1977)
Thiel, Hj.: Ein Fotoschlitten für biologische und geologische Kartierungen des Meeresbodens. [A Photosledge for Biological and Geological Mapping of the Sea Floor] **7**, 223 (1970)
Thiriot, A., see Boucher, J. **15**, 47 (1972)
Thiriot, A., see Nival, P., et al. **31**, 249 (1975)
Thiriot-Quiévreux, C.: Observations sur les larves et les adultes de Carinariidae (Mollusca: Heteropoda) de l'Océan Atlantique Nord. [Observations on the Larvae and Adults of Carinariidae (Mollusca: Heteropoda) of the North Atlantic Ocean] **32**, 379 (1975)
Thistle, D.: Deep-Sea Harpacticoid Copepod Diversity Maintenance: The Role of Polychaetes **52**, 371 (1979)
Thistle, D., see Hessler, R.R. **32**, 155 (1975)
Thomas, G.E., Gruffydd, Ll.D.: The Types of Escape Reactions Elicited in the Scallop *Pecten maximus* by Selected Sea-Star Species **10**, 87 (1971)
Thomas, J.P.: Release of Dissolved Organic Matter from Natural Populations of Marine Phytoplankton **11**, 311 (1971)
Thomas, M.L.H., see Hughes, R.N. **10**, 227 (1971)
Thomas, M.L.H., see MacDonald, B.A. **58**, 105 (1980)
Thomas, P., Woodin, B.R., Neff, J.M.: Biochemical Responses of the Striped Mullet *Mugil cephalus* to Oil Exposure. I. Acute Responses – Interrenal Activation and Secondary Stress Responses **59**, 141 (1980)
Thomas, R., see Opresko, L. **31**, 51 (1975)
Thomas, T.J., see Gordon, M.S. **28**, 73 (1974)
Thomas, W.H., Dodson, A.N.: Effect of Interactions Between Temperature and Nitrate Supply on the Cell-Division Rates of Two Marine Phytoflagellates **24**, 213 (1974)
Thomas, W.H., Dodson, A.N.: Inhibition of Diatom Photosynthesis by Germanic Acid: Separation of Diatom Productivity from Total Marine Primary Productivity **27**, 11 (1974)
Thomassin, B.A., Picard, C.: Etude de la microstructure des soies de polychètes Capitellidae et Oweniidae au microscope électronique à balayage: un critère systématique précis. [Study of the Setal Microstructure of Polychaetes of Capitellidae and Oweniidae with Scanning Electron Microscopy: A Precise Systematical Criterium] **12**, 229 (1972)
Thomassin, B.A., see Emig, C., et al. **15**, 304 (1972)
Thompson, I., Jones, D.S., Dreibelbis, D.: Annual Internal Growth Banding and Life History of the Ocean Quahog *Arctica islandica* (Mollusca: Bivalvia) **57**, 25 (1980)
Thompson, I., Jones, D.S., Ropes, J.W.: Advanced Age for Sexual Maturity in the Ocean Quahog *Arctica islandica* (Mollusca: Bivalvia) **57**, 35 (1980)
Thompson, I., see Jones, D.S., et al. **47**, 63 (1978)
Thompson, J.A.J., see Olafson, R.W. **28**, 83 (1974)
Thompson, N.P., see Livingston, R.J., et al. **46**, 355 (1978)
Thompson, R.J., Bayne, B.L.: Some Relationships Between Growth, Metabolism and Food in the Mussels *Mytilus edulis* **27**, 317 (1974)
Thompson, S.M., see Jones, G.P. **59**, 247 (1980)
Thornton, I., see Brereton, A., et al. **19**, 96 (1973)
Thornton, I., see Boyden, C.R., et al. **31**, 227 (1975)
Thorpe, J.P., Beardmore, J.A., Ryland, J.S.: Genetic Evidence for Cryptic Speciation in the Marine Bryozoan *Alcyonidium gelatinosum* **49**, 27 (1978)
Thorpe, J.P., Ryland, J.S., Beardmore, J.A.: Genetic Variation and Biochemical Systematics in the Marine Bryozoan *Alcyonidium mytili* **49**, 343 (1978)
Thorrington-Smith, M.: West Indian Ocean Phytoplankton: A Numerical Investigation of Phytohydrographic Regions and Their Characteristic Phytoplankton Associations **9**, 115 (1971)
Thouveny, Y., see Emig, C.C. **37**, 69 (1976)
Thresher, R.E.: Social Behavior and Ecology of Two Sympatric Wrasses (Labridae: *Halichoeres* spp.) off the Coast of Florida **53**, 161 (1979)
Thun, W. von: *Domorganus oligochaetophilus* n. sp., ein endoparasitischer Vertreter der Nematoda Adenophorea im Darm von Oligochaeten aus dem Litoral der Kieler Bucht. [*Domorganus oligochaetophilus* n. sp., an Endo-Parasitic Representative of the Nematoda Adenophorea in the Intestine of Oligochaetes from the Littoral Region of the Kieler Bucht] **1**, 36 (1967)
Thurberg, F.P., Dawson, M.A., Collier, R.S.: Effects of Copper and Cadmium on Osmoregulation and Oxygen Consumption in Two Species of Estuarine Crabs **23**, 171 (1973)
Thurston, M.H.: Scavenging Abyssal Amphipods from the North-East Atlantic Ocean **51**, 55 (1979)
Tiedge, H., see Meyer-Reil, L.-A., et al. **48**, 161 (1978)
Tietjen, J.H.: Population Distribution and Structure of the Free-Living Nematodes of Long Island Sound **43**, 123 (1977)
Tietjen, J.H., see Coull, B.C., et al. **39**, 233 (1977)
Tiffon, Y., Bouillon, J., Comte, P.: Etude histologique, histochimique et biochimique des sécrétions ectodermiques des Cérianthes. [Histological, Histochemical and Biochemical Study of the Ectoderm Secretions of Cerianthi] **3**, 126 (1969)
Timonin, A.G.: The Structure of Plankton Communities of the Indian Ocean **9**, 281 (1971)
Todd, C.D.: Reproductive Energetics of Two Species of Dorid Nudibranchs with Planktotrophic and Lecithotrophic Larval Strategies **53**, 57 (1979)
Tokin, I.B., Filimonova, G.F.: Electron Microscope Study of the Digestive System of *Strongylocentrotus droebachiensis* (Echinodermata: Echinoidea) **44**, 143 (1977)
Tokin, I.B., see Filimonova, G.F. **60**, 9 (1980)
Tominaga, H., see Handa, N. **2**, 228 (1969)
Tomita, S., see Kanazawa, A., et al. **34**, 53 (1976)

Tomiyama, T., see Kobayashi, K., et al. **12**, 295 (1972)
Tongiorgi, P., see Galleni, L., et al. **55**, 317 (1980)
Tont, S.A., Pearcy, W.G., Arnold, J.S.: Bone Structure of Some Marine Vertebrates **39**, 191 (1977)
Topping, G., see Saward, D., et al. **29**, 351 (1975)
Torti, M.R., see Bastida, R., et al. **10**, 297 (1971)
Touche, R.W. La, West, A.B.: Observations on the Food of *Antedon bifida* (Echinodermata: Crinoidea) **60**, 39 (1980)
Touche, R.W. La, see Wilson, J.H. **47**, 71 (1978)
Tracey, M.L., Bellet, N.F., Gravem, C.D.: Excess Allozyme Homozygosity and Breeding Population Structure in the Mussel *Mytilus californianus* **32**, 303 (1975)
Trageser, H., see Brockmann, U.H., et al. **24**, 163 (1974)
Trageser, H., see Brockmann, U.H., et al. **43**, 1 (1977)
Trahms, K.J., see Brockmann, U.H., et al. **24**, 163 (1974)
Trams, E.G.: Hepatic Insufficiency in Spawning Pacific Salmon **4**, 1 (1969)
Tranter, D.J., Abraham, S.: Coexistence of Species of Acartiidae (Copepoda) in the Cochin Backwater, a Monsoonal Estuarine Lagoon **11**, 222 (1971)
Tranter, D.J., Augustine, O.: Observations on the Life History of the Blue-Ringed Octopus *Hapalochlaena maculosa* **18**, 115 (1973)
Tranter, D.J., see Smith, D.F., et al. **54**, 49 (1979)
Tranter, H., see Smith, D.F., et al. **54**, 49 (1979)
Trask, T.: Laboratory-Reared Larvae of *Cancer anthonyi* (Decapoda: Brachyura) with a Brief Description of the Internal Anatomy of the Megalopa **27**, 63 (1974)
Travers, A., Travers, M.: Les Silicoflagellés du Golfe de Marseille. [The Silicoflagellates of the Gulf of Marseilles] **1**, 285 (1968)
Travers, M.: Diversité du microplancton du Golfe de Marseille en 1964. [Microplankton Diversity of the Gulf of Marseilles in 1964] **8**, 308 (1971)
Travers, M., see Travers, A. **1**, 285 (1968)
Trent, J.D., see Mattison, J.E., et al. **39**, 25 (1977)
Trevallion, A., Ansell, A.D., Sivadas, P., Narayanan, B.: A Preliminary Account of Two Sandy Beaches in South West India **6**, 268 (1970)
Trevallion, A., see Ansell, A.D., et al. **17**, 38 (1972)
Trevallion, A., see Ansell, A.D., et al. **17**, 311 (1972)
Trevallion, A., see Ansell, A.D., et al. **17**, 318 (1972)
Tripp, M.R., see Cunningham, P.A. **20**, 14 (1973)
Tripp, M.R., see Cunningham, P.A. **31**, 311 (1975)
Tripp, M.R., see Cunningham, P.A. **31**, 321 (1975)
Trott, L.B., see Lee, S.W. **20**, 101 (1973)
Trump, C.L., see Fortier, L., et al. **46**, 349 (1978)
Truong, Ngoc An, see Semina, H.J., et al. **37**, 389 (1976)
Tsuchiya, T., see Amemiya, S. **52**, 93 (1979)
Tsuji, F.I., see Fernandez, H.R. **34**, 101 (1976)
Tsurnamal, M., see Marbach, A. **21**, 331 (1973)
Tsurnamal, M., see Karplus, I., et al. **15**, 95 (1972)
Tsurnamal, M., see Karplus, I., et al. **17**, 275 (1972)
Tsurnamal, M., see Karplus, I., et al. **24**, 259 (1974)
Turano, F.J., see Lassen, H.H. **49**, 245 (1978)
Turner, J.T.: Sinking Rates of Fecal Pellets from the Marine Copepod *Pontella meadii* **40**, 249 (1977)
Turner, R.D., see Hoagland, K.E. **58**, 55 (1980)
Turner, R.D., see Lutz, R.A., et al. **57**, 127 (1980)
Turner, R.L.: Post-Metamorphic Growth of the Arms in *Ophiophragmus filograneus* (Echinodermata: Ophiuroidea) from Tampa Bay, Florida (USA) **24**, 273 (1974)
Turoboyski, K.: Biology and Ecology of the Crab *Rhithropanopeus harrisii* ssp. *tridentatus* **23**, 303 (1973)
Tuttle, J.H., Jannasch, H.W.: Sulfide and Thiosulfate-Oxidizing Bacteria in Anoxic Marine Basins **20**, 64 (1973)
Tyler, A.V.: Caloric Values of Some North Atlantic Invertebrates **19**, 258 (1973)
Tyler, H.R., Jr., Pearcy, W.G.: The Feeding Habits of Three Species of Lanternfishes (Family Myctophidae) off Oregon, USA **32**, 7 (1975)
Tzvetkova, N.L., see Golikov, A.N. **14**, 1 (1972)

U

Uchio, K., see Quetin, L.B., et al. **59**, 201 (1980)
Ueda, H., see Nishiwaka, S., et al. **32**, 389 (1975)
Ünlü, M.Y., Fowler, S.W.: Factors Affecting the Flux of Arsenic Through the Mussels *Mytilus galloprovincialis* **51**, 209 (1979)
Ünlü, M.Y., see Small, L.F., et al. **51**, 233 (1979)
Uhlenbruck, G., see Gauwerky, C., et al. **26**, 369 (1974)
Uhlmann, L., see Zeitzschel, B., et al. **45**, 285 (1978)
Ukeles, R., Rose, W.E.: Observations on Organic Carbon Utilization by Photosynthetic Marine Microalgae **37**, 11 (1976)
Ukeles, R., see Babinchak, J. **51**, 69 (1979)
Ulbricht, R.J.: Effect of Temperature Acclimation on the Metabolic Rate of Sea Urchins **19**, 273 (1973)
Underwood, A.J.: Observations on the Reproductive Cycles of *Monodonta lineata, Gibbula umbilicalis* and *G. cineraria* **17**, 333 (1972)
Underwood, A.J.: Spawning, Larval Development and Settlement Behaviour of *Gibbula cineraria* (Gastropoda: Prosobranchia) with a Reappraisal of Torsion in Gastropods **17**, 341 (1972)
Ushakov, B.P.: Cellular Resistance Adaptation to Temperature and Thermostability of Somatic Cells with Special Reference to Marine Animals **1**, 153 (1968)
Ustach, J.F., see Heinle, D.R., et al. **40**, 341 (1977)
Utida, S., see Oide, M. **1**, 102 (1967)
Utida, S., see Oide, H. **1**, 172 (1968)
Uye, S., Fleminger, A.: Effects of Various Environmental Factors on Egg Development of Several Species of *Acartia* in Southern California **38**, 253 (1976)
Uye, S., Kasahara, S., Onbé, T.: Calanoid Copepod Eggs in Sea-Bottom Muds. IV. Effects of Some Environmental Factors on the Hatching of Resting Eggs **51**, 151 (1979)
Uye, S., see Kasahara, S. **55**, 63 (1979)
Uye, S., see Kasahara, S., et al. **26**, 167 (1974)
Uye, S., see Kasahara, S., et al. **31**, 25 (1975)

V

Vadas, R.L., see Jordan, A.J. **14**, 248 (1972)
Vadas, R.L., see Paine, R.T. **4**, 79 (1969)
Vadas, R.L., see Larson, B.R., et al. **59**, 49 (1980)
Valentin, C., Anger, K.: *In-situ* Studies on the Life Cycle of *Diastylis rathkei* (Cumacea: Crustacea) **39**, 71 (1977)
Valentine, J.W., see Ayala, F.J. **27**, 51 (1974)
Valentine, J.W., see Campbell, C.A., et al. **33**, 341 (1975)
Valiela, I., Wright, J.E., Teal, J.M., Volkmann, S.B.: Growth, Production and Energy Transformations in the Salt-Marsh Killifish *Fundulus heteroclitus* **40**, 135 (1977)
Valiela, I., see Vince, S. **19**, 69 (1973)
Vance, R.R., see Nelson, B.V. **51**, 251 (1979)
Vandermeulen, J.H.: Studies on Reef Corals. II. Fine Structure of Planktonic Planula Larva of *Pocillopora damicornis*, with Emphasis on the Aboral Epidermis **27**, 239 (1974)
Vandermeulen, J.H.: Studies on Reef Corals. III. Fine Structural Changes of Calicoblast Cells in *Pocillopora damicornis* During Settling and Calcification **31**, 69 (1975)
Vandermeulen, J.H., Watabe, N.: Studies of Reef Corals. I. Skeleton Formation by Newly Settled Planula Larva of *Pocillopora damicornis* **23**, 47 (1973)
Vandermeulen, J.H., Davis, N.D., Muscatine, L.: The Effect of Inhibitors of Photosynthesis on Zooxanthellae in Corals and Other Marine Invertebrates **16**, 185 (1972)
Vanderploeg, H.A.: Dynamics of Zinc-65 Specific Activity and Total Zinc in Benthic Fishes on the Outer Continental Shelf off Central Oregon **52**, 259 (1979)

Vannini, M., Chelazzi, G.: Field Observations on the Rhythmic Behaviour of *Nerita textilis* (Gastropoda: Prosobranchia) **45**, 113 (1978)
Vannucci, M., Santhakumari, V., Santos, E.P. dos: The Ecology of Hydromedusae from the Cochin Area **7**, 49 (1970)
Vardy, A., see Crisp, D.J., et al. **46**, 181 (1978)
Vargo, G.A., Hargraves, P.E., Johnson, P.: Scanning Electron Microscopy of Dialysis Tubes Incubated in Flowing Seawater **31**, 113 (1975)
Vargo, S.L., Sastry, A.N.: Acute Temperature and Low Dissolved Oxygen Tolerances of Brachyuran Crab *(Cancer irroratus)* Larvae **40**, 165 (1977)
Vedder, K., see Strathmann, R.R. **39**, 305 (1977)
Veerannan, K.M.: Respiratory Metabolism of Crabs from Marine and Estuarine Habitats. I. *Scylla serrata* **17**, 284 (1972)
Veerannan, K.M.: Respiratory Metabolism of Crabs from Marine and Estuarine Habitats: An Interspecific Comparison **26**, 35 (1974)
Veldhuizen, H.D. Van, Phillips, D.W.: Prey Capture by *Pisaster brevispinus* (Asteroidea: Echinodermata) on Soft Substrate **48**, 89 (1978)
Velimirov, B.: Formation and Potential Trophic Significance of Marine Foam near Kelp Beds in the Benguela Upwelling System **58**, 311 (1980)
Velimirov, B., Böhm, E.L.: Calcium and Magnesium Carbonate Concentrations in Different Growth Regions of Gorgonians **35**, 269 (1976)
Velimirov, B., King, J.: Calcium Uptake and Net Calcification Rates in the Octocoral *Eunicella papillosa* **50**, 349 (1979)
Vella, M.G., see Saliba, L.J. **43**, 277 (1977)
Venezia, L. Dalla, Fossato, V.U.: Characteristics of Suspensions of Kuwait Oil and Corexit 7664 and Their Short- and Long-Term Effects on *Tisbe bulbisetosa* (Copepoda: Harpacticoida) **42**, 233 (1977)
Venkatachari, S.A.T.: Effect of Salinity Adaptation on Nitrogen Metabolism in the Freshwater Fish *Tilapia mossambica*. I. Tissue Protein and Amino Acid Levels **24**, 57 (1974)
Venkatramiah, A., see Krishnamoorthy, R.V. **4**, 345 (1969)
Venkatramiah, A., see Krishnamoorthy, R.V. **8**, 30 (1971)
Venugopal, P., see Croce, N. Della **15**, 132 (1972)
Vermeij, G.J.: Temperature Relationships of Some Tropical Pacific Intertidal Gastropods **10**, 308 (1971)
Vermeij, G.J.: Substratum Relationships of Some Tropical Pacific Intertidal Gastropods **10**, 315 (1971)
Vermeij, G.J.: Morphological Patterns in High-Intertidal Gastropods: Adaptive Strategies and Their Limitations **20**, 319 (1973)
Vernberg, F.J., Vernberg, W.G.: Lethal Limits and the Zoogeography of the Faunal Assemblages of Coastal Carolina Waters **6**, 26 (1970)
Vernberg, F.J., Guram, M.S., Savory, A.M.: Metabolic Response to Thermal Changes of the Adult Fiddler Crab *Uca pugilator* and the Effect of PCBs **48**, 135 (1978)
Vernberg, F.J., see Vernberg, W.B. **6**, 33 (1970)
Vernberg, W.B., Vernberg, F.J.: Metabolic Diversity in Oceanic Animals **6**, 33 (1970)
Vernberg, W.B., DeCoursey, P.J., Padgett, W.J.: Synergistic Effects of Environmental Variables on Larvae of *Uca pugilator* **22**, 307 (1973)
Vernberg, W.B., see Coull, B.C. **5**, 341 (1970)
Vernberg, W.B., see Coull, B.C. **32**, 289 (1975)
Vernberg, W.B., see Moreira, G.S. **1**, 282 (1968)
Vernberg, W.B., see Vernberg, F.J. **6**, 26 (1970)
Vernberg, W.B., see Mirkes, D.Z., et al. **47**, 143 (1978)
Vesk, M., see Borowitzka, M.A. **46**, 295 (1978)
Vicentini, H., see Pabst, B. **48**, 271 (1978)
Vidal, F.V., Vidal, V.M.V.: Arsenic Metabolism in Marine Bacteria and Yeast **60**, 1 (1980)
Vidal, J.: Physioecology of Zooplankton. I. Effects of Phytoplankton Concentration, Temperature, and Body Size on the Growth Rate of *Calanus pacificus* and *Pseudocalanus* sp. **56**, 111 (1980)
Vidal, J.: Physioecology of Zooplankton. II. Effects of Phytoplankton Concentration, Temperature, and Body Size on the Development and Molting Rates of *Calanus pacificus* and *Pseudocalanus* sp. **56**, 135 (1980)
Vidal, J.: Physioecology of Zooplankton. III. Effects of Phytoplankton Concentration, Temperature, and Body Size on the Metabolic Rate of *Calanus pacificus* **56**, 195 (1980)
Vidal, J.: Physioecology of Zooplankton. IV. Effects of Phytoplankton Concentration, Temperature, and Body Size on the Net Production Efficiency of *Calanus pacificus* **56**, 203 (1980)
Vidal, V.M.V., see Vidal, F.V. **60**, 1 (1980)
Vidaver, W.E., see Seely, G.R., et al. **12**, 184 (1972)
Villeneuve, J.-P., see Fowler, S.W., et al. **48**, 303 (1978)
Vilquin, A., see Fraizier, A. **10**, 154 (1971)
Vince, S., Valiela, I.: The Effects of Ammonium and Phosphate Enrichments on Chlorophyll α, Pigment Ratio and Species Composition of Phytoplankton of Vineyard Sound **19**, 69 (1973)
Vine, P.J.: Effects of Algal Grazing and Aggressive Behaviour of the Fishes *Pomacentrus lividus* and *Acanthurus sohal* on Coral-Reef Ecology **24**, 131 (1974)
Vine, P.J., see Knight-Jones, E.W., et al. **12**, 289 (1972)
Vinogradov, M.E., Shushkina, E.A.: Some Development Patterns of Plankton Communities in the Upwelling Areas of the Pacific Ocean **48**, 357 (1978)
Vinogradov, M.E., Gitelzon, I.I., Sorokin, Yu.I.: The Vertical Structure of a Pelagic Community in the Tropical Ocean **6**, 187 (1970)
Vinogradov, M.E., Menshutkin, V.V., Shushkina, E.A.: On Mathematical Simulation of a Pelagic Ecosystem in Tropical Waters of the Ocean **16**, 261 (1972)
Vitellaro-Zuccarello, L.: Ultrastructure of the Byssal Apparatus of *Mytilus galloprovincialis*. I. Associated Fungal Hyphae **22**, 225 (1973)
Vitellaro-Zuccarello, L., see Bairati, A. **28**, 145 (1974)
Vivas, A.M., see Gaines, M.S., et al. **27**, 327 (1974)
Volkmann, B.: Scanning Electron Microscope Study of the Modified Spine Characteristic for Males of Some *Tisbe* (Copepoda: Harpacticoida) Species **25**, 319 (1974)
Volkmann, B., see Fava, G. **30**, 151 (1975)
Volkmann, S.B., see Valiela, I., et al. **40**, 135 (1977)
Volkmann-Rocco, B., Fava, G.: Two Sibling Species of *Tisbe* (Copepoda, Harpacticoida): *Tisbe reluctans* and *T. persimilis* n. sp. Research on Their Morphology and Population Dynamics **3**, 159 (1969)
Volkmann-Rocco, B., see Battaglia, B. **19**, 156 (1973)
Volse, L.A., see Devinny, J.S. **48**, 343 (1978)
Vooys, C.G.N. de: The Influence of Temperature and Time of Year on the Oxygen Uptake of the Sea Mussel *Mytilus edulis* **36**, 25 (1976)
Voronina, N.M.: The Spatial Structure of Interzonal Copepod Populations in the Southern Ocean **15**, 336 (1972)
Voronina, N.M.: An Attempt at a Functional Analysis of the Distributional Range of *Euphausia superba* **24**, 347 (1974)
Voyer, R.A., Wentworth, C.E., Jr. Barry, E.P., Hennekey, R.J.: Viability of Embryos of the Winter Flounder *Pseudopleuronectes americanus* Exposed to Combinations of Cadmium and Salinity at Selected Temperatures **44**, 117 (1977)
Vyncke, W.: Influence of Biological and Environmental Factors on Nitrogenous Extractives of the Spurdog *Squalus acanthias* **6**, 248 (1970)

W

Wada, E., Koike, I., Hattori, A.: Nitrate Metabolism in Abyssal Waters **29**, 119 (1975)
Wada, E., see Seki, H., et al. **26**, 1 (1974)
Wade, B.A.: A Description of a Highly Diverse Soft-Bottom Community in Kingston Harbour, Jamaica **13**, 57 (1972)
Wadley, V.A., see Young, P.C. **53**, 83 (1979)
Wadley, V.A., see Rainer, S.F., et al. **54**, 91 (1979)
Waldock, M.J., Holland, D.L: Fatty Acid Composition of the Triacylglycerols of the Cypris Larva of the Barnacle *Balanus balanoides* During Metamorphosis **46**, 163 (1978)

Walker, A.J.M.: *Goniadella gracilis*, a Polychaete New to British Seas **14**, 85 (1972)
Walker, G.: The Histology, Histochemistry and Ultrastructure of the Cement Apparatus of Three Adult Sessile Barnacles, *Elminius modestus*, *Balanus balanoides* and *Balanus hameri* **7**, 239 (1970)
Walker, G.: A Study of the Cement Apparatus of the Cypris Larva of the Barnacle *Balanus balanoides* **9**, 205 (1971)
Walker, G.: "Copper" Granules in the Barnacle *Balanus balanoides* **39**, 343 (1977)
Walker, G.: Rainbow, P.S., Foster, P., Crisp, D.J.: Barnacles: Possible Indicators of Zinc Pollution? **30**, 57 (1975)
Walker, G., Rainbow, P.S., Foster, P., Holland, D.L.: Zinc Phosphate Granules in Tissue Surrounding the Midgut of the Barnacle *Balanus balanoides* **33**, 161 (1975)
Walker, G., see Loeb, M.J. **42**, 37 (1977)
Walker, G. see Rainbow, P.S. **42**, 337 (1977)
Walker, G., see Lucas, M.I., et al. **55**, 221 (1979)
Walker, J.D., Colwell, R.R.: Factors Affecting Enumeration and Isolation of Actinomycetes from Chesapeake Bay and Southeastern Atlantic Ocean Sediments **30**, 193 (1975)
Walker, J.D., Calomiris, J.J., Herbert, T.L., Colwell, R.R.: Petroleum Hydrocarbons: Degradation and Growth Potential for Atlantic Ocean Sediment Bacteria **34**, 1 (1976)
Wallace, J.C.: Feeding, Starvation and Metabolic Rate in the Shore Crab *Carcinus maenas* **20**, 277 (1973)
Wallen, D.G., Geen, G.H.: Light Quality in Relation to Growth, Photosynthetic Rates and Carbon Metabolism in Two Species of Marine Plankton Algae **10**, 34 (1971)
Wallen, D.G., Geen, G.H.: Light Quality and Concentration of Proteins, RNA, DNA and Photosynthetic Pigments in Two Species of Marine Plankton Algae **10**, 44 (1971)
Wallen, D.G., Geen, G.H.: The Nature of the Photosynthate in Natural Phytoplankton Populations in Relation to Light Quality **10**, 157 (1971)
Wallis, R.L.: Thermal Tolerance of *Mytilus edulis* of Eastern Australia **30**, 183 (1975). Corrigendum Notice **32**, 407 (1975)
Wallis, R.L.: Some Aspects of the Thermal Tolerance of *Trichomya hirsuta* (Mollusca: Bivalvia) of Eastern Australia **43**, 217 (1977)
Walters, J.F., see Young, R.E., et al. **51**, 371 (1979)
Walters, M.F., see Weinstein, M.P., et al. **58**, 227 (1980)
Walton, M.J., see Knox, D., et al. **56**, 7 (1980)
Wandschneider, K.: Vertical Distribution of Phytoplankton During Investigations of a Natural Surface Film **52**, 105 (1979)
Wandschneider, K., see Brockmann, U.H., et al. **36**, 135 (1976)
Wang, R.T., see Nicol, J.A.C., et al. **40**, 309 (1977)
Wankowski, J., see Davenport, J. **22**, 313 (1973)
Wann, K.T., see Wilcock, S.E., et al. **45**, 1 (1978)
Warburg, M.R., see Shuchman, E. **49**, 255 (1978)
Warburton, K.: Solar Orientation in the Snail *Nerita plicata* (Prosobranchia: Neritacea) on a Beach near Watamu, Kenya **23**, 93 (1973)
Ward, A.R.: Two New Species of *Xyala* (Nematoda, Monhysteroidea) from Sublittoral Sediments in Liverpool Bay **13**, 176 (1972)
Ward, A.R.: A New Species of *Pterygonema* (Nematoda: Ceramonematoidea) from Sublittoral Sand in Liverpool Bay **19**, 204 (1973)
Ward, A.R.: Studies on the Sublittoral Free-Living Nematodes of Liverpool Bay. I. The Structure and Distribution of the Nematode Population **22**, 53 (1973)
Ward, A.R.: Three New Species of Free-Living Marine Nematodes from Sublittoral Sediments in Liverpool Bay **24**, 93 (1974)
Ward, A.R.: Studies on the Sublittoral Free-Living Nematodes of Liverpool Bay. II. Influence of Sediment Composition on the Distribution of Marine Nematodes **30**, 217 (1975)
Ward, D.V., Howes, B.L., Ludwig, D.F.: Interactive Effects of Predation Pressure and Insecticide (Temefos) Toxicity on Populations of the Marsh Fiddler Crab *Uca pugnax* **35**, 119 (1976)
Ware, G.N., see Lewin, J., et al. **52**, 1 (1979)
Warren, L.M.: A Population Study of the Polychaete *Capitella capitata* at Plymouth **38**, 209 (1976)
Wass, R.C., see Brock, R.E., et al. **54**, 281 (1979)
Wasserthal, L.T., Wasserthal, W.: Ökologische Bedeutung der Schleimsekretion bei den Planula-Larven der Hydroidengattung *Eudendrium*. [Ecological Significance of the Slime Secretion in the Planula Larvae of the Hydroid Genus *Eudendrium*] **22**, 341 (1973)
Wasserthal, W., see Wasserthal, L.T. **22**, 341 (1973)
Wassman, E.R., Ramus, J.: Primary-Production Measurements for the Green Seaweed *Codium fragile* in Long Island Sound **21**, 289 (1973)
Watabe, N. see Vandermeulen, J.H. **23**, 47 (1973)
Watanabe, H., see Mukai, H. **39**, 311 (1977)
Watanabe, H. see Makioka, A., et al. **48**, 261 (1978)
Watanabe, M., see Hirata, H., et al. **29**, 9 (1975)
Watling, H., see Boyden, C.R., et al. **31**, 227 (1975)
Watling, L., Bottom, D., Pembroke, A., Maurer, D.: Seasonal Variations in Delaware Bay Phytoplankton Community Structure **52**, 207 (1979)
Watling, L., see Maurer, D., et al. **45**, 65 (1978)
Watling, L., see Incze, L.S., et al. **57**, 147 (1980)
Watt, W.D., see Legendre, L. **7**, 167 (1970)
Watters, K.W., Jr., Smith, L.S.: Respiratory Dynamics of the Starry Flounder *Platichthys stellatus* in Response to Low Oxygen and High Temperature **19**, 133 (1973)
Waugh, D.L., see Newkirk, G.F., et al. **41**, 49 (1977)
Wayenbergh, M., see Boeyé, A., et al. **32**, 263 (1975)
Weare, N.M., see Mague, T.H., et al. **24**, 109 (1974)
Weaver, S.S., Hirshfield, H.I.: The Delineation of Two Plankton Communities from One Sampling Site (Fire Island Inlet, Long Island, N.Y.) **34**, 273 (1976)
Webb, J.E.: On the Feeding and Behaviour of the Larva of *Branchiostoma lanceolatum* **3**, 58 (1969)
Webb, J.S., see Brereton, A., et al. **19**, 96 (1973)
Webb, K.L., Wiebe, W.J.: The Kinetics and Possible Significance of Nitrate Uptake by Several Algal-Invertebrate Symbioses **47**, 21 (1978)
Webber, E.E., see Wilce, R.T., et al. **5**, 119 (1970)
Webber, H.H., Giese, A.C.: Reproductive Cycle and Gametogenesis in the Black Abalone *Haliotis cracheroidii* (Gastropoda: Prosobranchiata) **4**, 152 (1969)
Weber, J.N., White, E.W.: Activation Energy for Skeletal Aragonite Deposited by the Hermatypic Coral *Platygyra* spp. **26**, 353 (1974)
Weber, J.N., Woodhead, P.M.J.: Ecological Studies of the Coral Predator *Acanthaster planci* in the South Pacific **6**, 12 (1970)
Weber, J.N., Woodhead, P.M.J.: Stable Isotope Ratio Variations in Non-Scleractinian Coelenterate Carbonates as a Function of Temperature **15**, 293 (1972)
Weber, J.N., see Woodhead, P.M.J. **4**, 250 (1969)
Weber, W.: Peculiarities of Innervation in Chromatophore Muscle Cells of *Loligo vulgaris* **19**, 224 (1973)
Wefer, G., Killingley, J.S.: Growth Histories of Strombid Snails from Bermuda Recorded in Their O-18 and C-13 Profiles **60**, 129 (1980)
Weigel, H.P.: On the Distribution of Particulate Metals, Chlorophyll and Seston in the Baltic Sea **44**, 217 (1977)
Weigmann, R.: Eine isolierte Population von *Pseudeuphausia latifrons* (Crustacea: Euphausiacea) im Persischen Golf. [An Isolated Population of *Pseudeuphausia latifrons* (Crustacea: Euphausiacea) in the Persian Gulf] **8**, 351 (1971)
Weikert, H.: Copepod Carcasses in the Upwelling Region South of Cap Blanc, N. W. Africa **42**, 351 (1977)
Weikert, H., see Hempel, G. **13**, 70 (1972)
Weinberg, S: Submarine Daylight and Ecology **37**, 291 (1976)
Weinberg, S.: The Minimal Area Problem in Invertebrate Communities of Mediterranean Rocky Substrata **49**, 33 (1978)
Weinberg, S.: Mediterranean Octocorallian Communities and the Abiotic Environment **49**, 41 (1978)
Weinstein, M.P., Heck, K.L., Jr.: Ichthyo-

fauna of Seagrass Meadows Along the Caribbean Coast of Panamá and in the Gulf of Mexico: Composition, Structure and Community Ecology **50**, 97 (1979)
Weinstein, M.P., Weiss, S.L., Walters, M.F.: Multiple Determinants of Community Structure in Shallow Marsh Habitats, Cape Fear River Estuary, North Carolina, USA **58**, 227 (1980)
Weis, J.S.: Interactions of Methylmercury, Cadmium, and Salinity on Regeneration in the Fiddler Crabs *Uca pugilator, U. pugnax* and *U. minax* **49**, 119 (1978)
Weis, J.S., see Weis, P. **28**, 261 (1974)
Weis, P., Weis, J.S.: Schooling Behavior of *Menidia medidia* in the Presence of the Insecticide Sevin (Carbaryl) **28**, 261 (1974)
Weiss, R.E., Blackwelder, P.L., Wilbur, K.M.: Effects of Calcium, Strontium, and Magnesium on the Coccolithophorid *Cricosphaera (Hymenomonas) caterae*. II. Cell Division **34**, 17 (1976)
Weiss, R.E., see Blackwelder, P.L., et al. **34**, 11 (1976)
Weiss, S.L., see Weinstein, M.P., et al. **58**, 227 (1980)
Weldon, M.W., see Alexander, C.G. **33**, 247 (1975)
Welker, J.R., see Kaplan, E.H., et al. **32**, 193 (1975)
Wells, F.E., Jr.: Effects of Mesh Size on Estimation of Population Densities of Tropical Euthecosomatous Pteropods **20**, 347 (1973)
Welsch, U., Storch, V.: Histochemical and Fine Structural Observations on the Alimentary Tract of Aphroditidae and Nephtyidae (Polychaeta Errantia) **6**, 142 (1970)
Welsch, U., see Storch, V. **13**, 167 (1972)
Welsch, U., see Storch, V. **17**, 137 (1972)
Welsch, U., see Storch, V. **29**, 363 (1975)
Wentworth, C.E., Jr., see Voyer, R.A., et al. **44**, 117 (1977)
Werding, B.: Morphologie, Entwicklung und Ökologie digener Trematoden-Larven der Strandschnecke *Littorina littorea*. [Morphology, Development and Ecology of Digenous Trematode Larvae of the Littoral Snail *Littorina littorea*] **3**, 306 (1969)
Werner, B.: Spermatozeugmen und Paarungsverhalten bei *Tripedalia cystophora* (Cubomedusae). [Spermatozeugmata and Mating Behaviour in *Tripedalia cystophora* (Cubomedusae)] **18**, 212 (1973)
Wernick, A., Künnemann, H.: Der Einfluß der Temperatur auf die Substrat-Affinität der Laktat-Dehydrogenase aus Fischen. [The Influence of Temperature on Substrate-Affinity of Lactate-Dehydrogenase from Fisches] **18**, 32 (1973)
West, A.B., see Touche, R.W. La **60**, 39 (1980)
West, D.L., Renshaw, R.W.: The Life Cycle of *Clytia attenuata* (Calyptoblastea: Campanulariidae) **7**, 332 (1970)
Westernhagen, H. von: The Natural Food of the Rabbitfish *Siganus oramin* and *S. striolata* **22**, 367 (1973)
Westernhagen, H. von, Rosenthal, H., Kerr, S., Fürstenberg, G.: Factors Influencing Predation of *Hyperoche medusarum* (Hyperiida: Amphipoda) on Larvae of the Pacific Herring *Clupea harengus pallasi* **51**, 195 (1979)
Westernhagen, H. von, see Jumao-as, M.D.B. **29**, 201 (1975)
Westernhagen, H. von, see Solis, N.B. **48**, 79 (1978)
Westheide, W.: Zur quantitativen Verteilung von Bakterien und Hefen in einem Gezeitenstrand der Nordseeküste. [On the Quantitative Distribution of Bacteria and Yeasts on a Tidal Beach of the North Sea Coast] **1**, 336 (1968)
Westheide, W., see Schmidt, P. **10**, 94 (1971)
Wether, C., see Maurer, D., et al. **45**, 65 (1978)
Wheeler, D.E., Epifanio, C.E.: Behavioral Response to Hydrostatic Pressure in Larvae of Two Species of Xanthid Crabs **46**, 167 (1978)
Wheeler, W.N.: Pigment Content and Photosynthetic Rate of the Fronds of *Macrocystis pyrifera* **56**, 97 (1980)
Wheeler, W.N.: Effect of Boundary Layer Transport on the Fixation of Carbon by the Giant Kelp *Macrocystis pyrifera* **56**, 103 (1980)
White, D.C., see Morrison, S.J., et al. **41**, 229 (1977)
White, E.W., see Weber, J.N. **26**, 353 (1974)
White, F.: Distribution of *Trypetesa lampas* (Cirripedia, Acrothoracica) in Various Gastropod Shells **4**, 333 (1969)
White, F.: The Chromosomes of *Trypetesa lampas* (Cirripedia, Acrothoracica) **5**, 29 (1970)
Whitfield, P.H., see Lewis, A.G., et al. **17**, 215 (1972)
Whitlatch, R.B., Obrebski, S.: Feeding Selectivity and Coexistence in Two Deposit-Feeding Gastropods **58**, 219 (1980)
Whitledge, T.E., see Owens, T.G., et al. **59**, 71 (1980)
Whitney, D.E., see Woodwell, G.M. **41**, 1 (1977)
Whittle, K.J., see Zafiriou, O., et al. **13**, 137 (1972)
Wickham, D.E.: Predation by the Nemertean *Carcinonemertes errans* on Eggs of the Dungeness Crab *Cancer magister* **55**, 45 (1979)
Widdows, J.: Effect of Temperature and Food on the Heart Beat, Ventilation Rate and Oxygen Uptake of *Mytilus edulis* **20**, 269 (1973)
Widdows, J., Fieth, P., Worrall, C.M.: Relationships Between Seston, Available Food and Feeding Activity in the Common Mussel *Mytilus edulis* **50**, 195 (1979)
Widdows, J., see Livingstone, D.R., et al. **53**, 41 (1979)
Wiebe, P.H., D'Abramo, L.: Distribution of Euphausiid Assemblages in the Mediterranean Sea **15**, 139 (1972)
Wiebe, P.H., Madin, L.P., Haury, L.R., Harbison, G.R., Philbin, L.M.: Diel Vertical Migration by *Salpa aspera* and Its Potential for Large-Scale Particulate Organic Matter Transport to the Deep-Sea **53**, 249 (1979)
Wiebe, W.J., Liston, J.: Isolation and Characterization of a Marine Bacteriophage **1**, 244 (1968)
Wiebe, W.J., Smith, D.F.: Direct Measurement of Dissolved Organic Carbon Release by Phytoplankton and Incorporation by Microheterotrophs **42**, 213 (1977)
Wiebe, W.J., see Hanson, R.B. **42**, 321 (1977)
Wiebe, W.J., see Webb, K.L. **47**, 21 (1978)
Wieser, W., Zech, M.: Dehydrogenases as Tools in the Study of Marine Sediments **36**, 113 (1976)
Wieser, W., Ott, J., Schiemer, F., Gnaiger, E.: An Ecophysiological Study of Some Meiofauna Species Inhabiting a Sandy Beach at Bermuda **26**, 235 (1974)
Wilbur, K.M., see Meenakshi, V.R., et al. **27**, 27 (1974)
Wilbur, K.M., see Blackwelder, P.L., et al. **34**, 11 (1976)
Wilbur, K.M., see Weiss, R.E., et al. **34**, 17 (1976)
Wilce, R.T., Webber, E.E., Sears, J.R.: *Petroderma* and *Porterinema* in the New World **5**, 119 (1970)
Wilcock, S.E., Wann, K.T., Macdonald, A.G.: The Motor Activity of *Crangon crangon* Subjected to High Hydrostatic Pressure **45**, 1 (1978)
Wild, R., see Roe, H.S.J., et al. **56**, 247 (1980)
Wildish, D.J., Zitko, V.: Uptake of Polychlorinated Biphenyls from Sea Water by *Gammarus oceanicus* **9**, 213 (1971)
Wilkins, N.P.: Genetic Variability in Littoral Gastropods: Phosphoglucose Isomerase and Phosphoglucomutase in *Patella vulgata* and *P. aspera* **40**, 151 (1977)
Wilkinson, C.R.: Microbial Associations in Sponges. I. Ecology, Physiology and Microbial Populations of Coral Reef Sponges **49**, 161 (1978)
Wilkinson, C.R.: Microbial Associations in Sponges. II. Numerical Analysis of Sponge and Water Bacterial Populations **49**, 169 (1978)
Wilkinson, C.R.: Microbial Associations in Sponges. III. Ultrastructure on the *in situ* Associations in Coral Reef Sponges **49**, 177 (1978)
Willenbrink, J., see Lüning, K., et al. **23**, 275 (1973)
Williams, D.C., see Barnier, G.W., et al. **29**, 261 (1975)
Williams, E.D.F.: A Submerged Membrane Filter Apparatus for Microbiological Sampling **3**, 78 (1969)
Williams, G.C.: Viable Embryogenesis of the Winter Flounder *Pseudopleuronectes americanus* from −1.8° to 15 °C **33**, 71 (1975)
Williams, J.A.: Environmental Influence on the Locomotor Activity Rhythm of *Talitrus saltator* (Crustacea: Amphipoda) **57**, 7 (1980)
Williams, P.J. Le B., Yentsch, C.S.: An Examination of Photosynthetic Production, Excretion of Photosynthetic Products, and Heterotrophic Utilization of Dissolved Organic Compounds with Reference to

Results from a Coastal Subtropical Sea **35**, 31 (1976)
Williams, P.J. Le B., Berman, T., Holm-Hansen, O: Amino Acid Uptake and Respiration by Marine Heterotrophs **35**, 41 (1976)
Williams, P.J. Le B., see Derenbach, J.B. **25**, 263 (1974)
Williams, R., Conway, D.V.P.: Vertical Distributions of *Calanus finmarchicus* and *C. helgolandicus* (Crustacea: Copepoda) **60**, 57 (1980)
Williams, R., Lindley, J.A.: Plankton of the Fladen Ground During FLEX 76. I. Spring Development of the Plankton Community **57**, 73 (1980)
Williams, R., Lindley, J.A.: Plankton of the Fladen Ground During FLEX 76. III. Vertical Distribution, Population Dynamics and Production of *Calanus finmarchicus* (Crustacea: Copepoda) **60**, 47 (1980)
Williams, R., Robins, D.: Calorific, Ash, Carbon and Nitrogen Content in Relation to Length and Dry Weight of *Parathemisto gaudichaudi* (Amphipoda: Hyperiidea) in the North East Atlantic Ocean **52**, 247 (1979)
Williams, R., see Crisp, D.J. **10**, 214 (1971)
Williams, R., see Lindley, J.A. **57**, 79 (1980)
Williams, R.B.: Are There Physiological Races of the Sea Anemone *Diadumene luciae*? **21**, 327 (1973)
Willis, J.M., Pearcy, W.G.: Spatial and Temporal Variations in the Population Size Structure of Three Lanternfishes (Myctophidae) off Oregon, USA **57**, 181 (1980)
Wilson, A.J., Jr., see Nimmo, D.R., et al. **11**, 191 (1971)
Wilson, B.J., see Loi, T-n. **55**, 3 (1979)
Wilson, D.F., Parrish, K.K.: Remating in a Planktonic Marine Calanoid Copepod **9**, 202 (1971)
Wilson, D.F., see Parrish, K.K. **46**, 65 (1978)
Wilson, J.G.: Dispersion of *Tellina tenuis* from Kames Bay, Millport, Scotland **37**, 371 (1976)
Wilson, J.G.: Upper Temperature Tolerances of *Tellina tenuis* and *T. fabula* **45**, 123 (1978)
Wilson, J.H.: Particle Retention and Selection by Larvae and Spat of *Ostrea edulis* in Algal Suspensions **57**, 135 (1980)
Wilson, J.H., Touche, R.W. La: Intracellular Digeston in Two Sublittoral Populations of *Ostrea edulis* (Lamellibranchia) **47**, 71 (1978)
Wilson, K.W.: Effects of Oil Dispersants on the Developing Embryos of Marine Fish **36**, 259 (1976)
Wilson, K.W.: Acute Toxicity of Oil Dispersants to Marine Fish Larvae **40**, 65 (1977)
Wiltse, W.I.: Effects of *Polinices duplicatus* (Gastropoda: Naticidae) on Infaunal Community Structure at Barnstable Harbor, Massachusetts, USA **56**, 301 (1980)
Winkle, W. Van, Jr.: Effect of Environmental Factors on Byssal Thread Formation **7**, 143 (1970)
Winn, H.E., Winn, L.K.: The Song of the Humpback Whale *Megaptera novaeangliae* in the West Indies **47**, 97 (1978)
Winn, H.E., Bischoff, W.L., Taruski, A.G.: Cytological Sexing of Cetacea **23**, 343 (1973)
Winn, H.E., Beamish, P., Perkins, P.J.: Sounds of Two Entrapped Humpback Whales *(Megaptera novaeangliae)* in Newfoundland **55**, 151 (1979)
Winn, H.E., see Edel, R.K. **48**, 279 (1978)
Winn, L.K., see Winn, H.E. **47**, 97 (1978)
Winter, D.F., Banse, K., Anderson, G.C.: The Dynamics of Phytoplankton Blooms in Puget Sound, a Fjord in the Northwestern United States **29**, 139 (1975)
Winter, J.E.: Über den Einfluß der Nahrungskonzentration und anderer Faktoren auf Filtrierleistung und Nahrungsausnutzung der Muscheln *Arctica islandica* und *Modiolus modiolus*. [On the Influence of Food Concentration and Other Factors on Filtration Rate and Food Utilization in the Mussels *Arctica islandica* and *Modiolus modiolus*] **4**, 87 (1969)
Winter, J.E.: The Filtration Rate of *Mytilus edulis* and Its Dependence on Algal Concentration, Measured by a Continuous Automatic Recording Apparatus **22**, 317 (1973)
Winter, P.E.D., see McLachlan, A., et al. **40**, 355 (1977)
Winters, K., O'Donnell, R., Batterton, J.C., Baalen, C. Van: Water-Soluble Components of Four Fuel Oils: Chemical Characterization and Effects on Growth of Microalgae **36**, 269 (1976)
Winters, K., see Pulich, W.M., Jr., et al. **28**, 87 (1974)
Winters, K., see Nicol, J.A.C., et al. **40**, 309 (1977)
Wirsen, C.O., Jannash, H.W.: Activity of Marine Psychrophilic Bacteria at Elevated Hydrostatic Pressures and Low Temperatures **31**, 201 (1975)
Wishner, K.F.: Aspects of the Community Ecology of Deep-Sea, Benthopelagic Plankton, with Special Attention to Gymnopleid Copepods **60**, 179 (1980)
Withers, R.G., Farnham, W.F., Lewey, S., Jephson, N.A., Haythorn, J.M., Gray, P.W.G.: The Epibionts of *Sargassum muticum* in British Waters **31**, 79 (1975)
Wittenberger, C.: Biologie du chinchard de la Mer Noire (*Trachurus mediterraneus ponticus*). XV. Recherches sur le métabolisme d'effort chez *Trachurus* et *Gobius*. [Biology of the Black Sea Scad (*Trachurus mediterraneus ponticus*). XV. Studies on the Effort Metabolism in *Trachurus* and *Gobius*] **2**, 1 (1968)
Wittenberger, C.: The Glycogen Turnover Rate in Mackerel Muscles **16**, 279 (1972)
Wittenberger, C., Coro, A., Suárez, G., Portilla, N.: Composition and Bioelectrical Activity of the Lateral Muscles in *Harengula humeralis* **3**, 24 (1969)
Wittenberger, C., see Pora, E.A., et al. **3**, 18 (1969)
Wium-Andersen, S., see Steemann Nielsen, E. **6**, 93 (1970)
Wodinsky, J.: Breeding Season of *Octopus vulgaris* **16**, 59 (1972)
Wodinsky, J.: Ventilation Rate and Copulation in *Octopus vulgaris* **20**, 154 (1973)
Wolfe, M.S., see Andersen, R.J., et al. **27**, 281 (1974)
Wong, C.S., see Kremling, K., et al. **48**, 1 (1978)
Wood, E.J.F., see Kimor, B. **29**, 321 (1975)
Woodhead, P.M.J., Weber, J.N.: Coral Genera of New Caledonia **4**, 250 (1969)
Woodhead, P.M.J., see Weber, J.N. **6**, 12 (1970)
Woodhead, P.M.J., see Weber, J.N. **15**, 293 (1972)
Woodin, B.R., see Thomas, P., et al. **59**, 141 (1980)
Woodin, S.A.: Algal "Gardening" Behavior by Nereid Polychaetes: Effects on Soft-Bottom Community Structure **44**, 39 (1977)
Woodwell, G.M., Whitney, D.E.: Flax Pond Ecosystem Study: Exchanges of Phosphorus Between a Salt Marsh and the Coastal Waters of Long Island Sound **41**, 1 (1977)
Woollacott, R.M., Zimmer, R.L.: Origin and Structure of the Brood Chamber in *Bugula neritina* (Bryozoa) **16**, 165 (1972)
Wormhoudt, A. Van: Variation des protéases, des amylases et des protéines solubles au cours du développement larvaire chez *Palaemon serratus*. [Variation of Protease, Amylase and of Soluble Proteins During the Larval Development of *Palaemon serratus*] **19**, 245 (1973)
Worrall, C.M., see Widdows, J., et al. **50**, 195 (1979)
Wrench, J.J.: Biochemical Correlates of Dissolved Mercury Uptake by the Oyster *Ostrea edulis* **47**, 79 (1978)
Wrench, J.J.: Selenium Metabolism in the Marine Phytoplankters *Tetraselmis tetrathele* and *Dunaliella minuta* **49**, 231 (1978)
Wright, D.A., Brewer, C.C.: Cadmium Turnover in the Shore Crab *Carcinus maenas* **50**, 151 (1979)
Wright, J.E., see Valiela, I., et al. **40**, 135 (1977)
Wright, R.T., Shah, N.M.: The Trophic Role of Glycolic Acid in Coastal Seawater. I. Heterotrophic Metabolism in Seawater and Bacterial Cultures **33**, 175 (1975)
Wright, R.T., Shah, N.M.: The Trophic Role of Glycolic Acid in Coastal Seawater. II. Seasonal Changes in Concentration and Heterotrophic Use in Ipswich Bay, Massachusetts, USA **43**, 257 (1977)
Wright, R.T., see Shah, N.M. **24**, 121 (1974)
Wroblewski, J.S., O'Brien, J.J.: A Spatial Model of Phytoplankton Patchiness **35**, 161 (1976)
Wrzesiński, O.: Relation Between *Engraulis anchoita* Concentrations and Presence of *Merluccius hubbsi* on the Patagonian Continental Shelf **32**, 13 (1975)
Wu, R.S.S., Levings, C.D.: An Energy Budget for Individual Barnacles *(Balanus glandula)* **45**, 225 (1978)
Wu, R.S.S., Levings, C.D.: Energy Flow and

Population Dynamics of the Barnacle *Balanus glandula* **54**, 83 (1979)
Wulff, F.: Experimental Studies on Physiological and Behavioural Response Mechanisms of *Nitocra spinipes* (Crustacea: Harpacticoidea) from Brackish-Water Rockpools **13**, 325 (1972)
Wurzian, R.S., see Fedra, K., et al. **38**, 129 (1976)
Wyatt, T.: Some Effects of Food Density on the Growth and Behaviour of Plaice Larvae **14**, 210 (1972)
Wyatt, T.: The Biology of *Oikopleura dioica* and *Fritillaria borealis* in the Southern Bight **22**, 137 (1973)

Y

Yamaguchi, M.: Growth and Reproductive Cycles of the Marine Fouling Ascidians *Ciona intestinalis, Styela plicata, Botryllo-ides violaceus,* and *Leptoclinum mitsukurii* at Aburatsubo-Moroiso Inlet (Central Japan) **29**, 253 (1975)
Yamaguchi, M.: Estimating the Length of the Exponential Growth Phase: Growth Increment Observations on the Coral-Reef Asteroid *Culcita novaeguineae* **39**, 57 (1977)
Yamaguchi, M.: Shell Growth and Mortality Rates in the Coral Reef Gastropod *Cerithium nodulosum* in Pago Bay, Guam, Mariana Islands **44**, 249 (1977)
Yamashita, C., see Moreira, G.S. **14**, 271 (1972)
Yamashita, H.: Electrophoretic Patterns of Serum Proteins in the Blood of Four Species of Puff-Fish, Genus *Fugu*, and Their F_1 Hybrids **1**, 277 (1968)
Yanada, M., see Maita, Y. **44**, 329 (1978)
Yanagi, K., see Handa, N. **4**, 197 (1969)
Yarish, C., Edwards, P., Casey, S.: Acclimation Responses to Salinity of Three Estuarine Red Algae from New Jersey **51**, 289 (1979)
Yentsch, C.S., see Williams, P.J. Le B. **35**, 31 (1976)
Yentsch, C.S., see Morris, I., et al. **27**, 1 (1974)
Yevich, P., see Gonzalez, J.G. **34**, 177 (1976)
Yingst, J.Y.: Patterns of Micro- and Meiofaunal Abundance in Marine Sediments, Measured with the Adenosine Triphosphate Assay **47**, 41 (1978)
Yingst, J.Y., see Aller, R.C. **56**, 29 (1980)
Young, D.K., Rhoads, D.C.: Animal-Sediment Relations in Cape Cod Bay, Massachusetts, I. A Transect Study **11**, 242 (1971)
Young, D.K., see Rhoads, D.C. **11**, 255 (1971)
Young, L.G.L., see Laughlin, R.B., Jr., et al. **47**, 87 (1978)
Young, P.C., Wadley, V.A.: Distribution of Shallow-Water Epibenthic Macrofauna in Moreton Bay, Queensland, Australia **53**, 83 (1979)
Young, S.D., Crenshaw, M.A., King, D.B.: Mantle Protein Excretion and Calcification in the Hardshell Clam *Mercenaria mercenaria*. I. Protein Excretion in the Intact Clam **41**, 253 (1977)
Young, S.D., Crenshaw, M.A., King, D.B.: Mantle Protein Excretion and Calcification in the Hardshell Clam *Mercenaria mercenaria*. II. Protein Synthesis and Excretion by the Isolated Mantle **41**, 259 (1977)
Young, R.E., Roper, C.F.E., Walters, J.F.: Eyes and Extraocular Photoreceptors in Midwater Cephalopods and Fishes: Their Roles in Detecting Downwelling Light for Counterillumination **51**, 371 (1979)
Young, R.E., Roper, C.F.E., Mangold, K., Leisman, G., Hochberg, F.G., Jr.: Luminescence from Non-Bioluminescent Tissues in Oceanic Cephalopods **53**, 69 (1979)
Youngblood, W.W., Blumer, M.: Alkanes and Alkenes in Marine Benthic Algae **21**, 163 (1973)
Youngblood, W.W., Blumer, M., Guillard, R.R.L., Fiore, F.: Saturated and Unsaturated Hydrocarbons in Marine Benthic Algae **8**, 190 (1971)
Youngbluth, M.J., see Blades, P.I. **51**, 339 (1979)

Z

Zachary, A., Haven, D.S.: Survival and Activity of the Oyster Drill *Urosalpinx cinerea* Under Conditions of Fluctuating Salinity **22**, 45 (1973)
Zafiriou, O.: Response of *Asterias vulgaris* to Chemical Stimuli **17**, 100 (1972)
Zafiriou, O., Whittle, K.J., Blumer, M.: Response of *Asterias vulgaris* to Bivalves and Bivalve Tissue Extracts **13**, 137 (1972)
Zahn, R.K., see Breter, H.-J., et al. **40**, 1 (1977)
Zahn, R.K., see Kurelec, B., et al. **44**, 211 (1977)
Zaika, V.E.: Age-Structure Dependence of the "Specific Production" in Zooplankton Populations **1**, 311 (1968)
Zalkina, A.V.: Vertical Distribution and Diurnal Migration of Some Cyclopoida (Copepoda) in the Tropical Region of the Pacific Ocean **5**, 275 (1970)
Zander, C.D.: Beziehungen zwischen Körperbau und Lebensweise bei Bleniidae (Pisces) aus dem Roten Meer. I. Äußere Morphologie. [Relations Between Morphology and Way of Life in Blenniidae (Pisces) from the Red Sea. I. External Morphology] **13**, 238 (1972)
Zander, C.D.: Beziehungen zwischen Körperbau und Lebensweise bei Blenniidae (Pisces) aus dem Roten Meer. III. Morphologie des Auges. [Relations Between Morphology and Way of Life in Blenniidae (Pisces) from the Red Sea. III. Morphology of the Eye] **28**, 61 (1974)
Zander, C.D., Bartsch, I.: *In situ* Beziehungen zwischen Nahrungsangebot und aufgenommener Nahrung bei 5 *Blennius*-Arten (Pisces) des Mittelmeeres. [*In-situ* Relations Between Food Supply and Food Consumption in 5 *Blennius* Species (Pisces) from the Mediterranean Sea] **17**, 77 (1972)
Zann, L.P.: Relationships Between Intertidal Zonation and Circatidal Rhythmicity in Littoral Gastropods **18**, 243 (1973)
Zaroogian, G.: *Crassostrea virginica* as an Indicator of Cadmium Pollution **58**, 275 (1980)
Zaroogian, G.E., Morrison, G., Heltshe, J.F.: *Crassostrea virginica* as an Indicator of Lead Pollution **52**, 189 (1979)
Zattera, A., see Bernhard, M., et al. **20**, 109 (1973)
Zattera, A., see Bernhard, M., et al. **25**, 339 (1974)
Zech, M., see Wieser, W. **36**, 113 (1976)
Zedler, J.B., see Emerson, S.E. **44**, 315 (1978)
Zeitlin-Hale, L., Sastry, A.N.: Effects of Environmental Manipulation on the Locomotor Activity and Agonistic Behavior of Cultured Juvenile American Lobsters *Homarus americanus* **47**, 369 (1978)
Zeitlin-Hale, L., see Sastry, A.N. **39**, 297 (1977)
Zeitzschel, B.: Primary Productivity in the Gulf of California **3**, 201 (1969)
Zeitzschel, B.: The Quantity, Composition and Distribution of Suspended Particulate Matter in the Gulf of California **7**, 305 (1970)
Zeitzschel, B., Diekmann, P., Uhlmann, L.: A New Multisample Sediment Trap **45**, 285 (1978)
Zeitzschel, B. see Owen, R.W. **7**, 32 (1970)
Zeitzschel, B., see Blackburn, M., et al. **7**, 14 (1970)
Zeitzschel, B., see Bodungen, B. von, et al. **34**, 369 (1976)
Zeitzschel, B., see Smetacek, V., et al. **34**, 373 (1976)
Zeitzschel, B. see Smetacek, V., et al. **47**, 211 (1978)
Zelickman, E.A.: Distribution and Ecology of the Pelagic Hydromedusae, Siphonophores and Ctenophores of the Barents Sea, Based on Perennial Plankton Collections **17**, 256 (1972)
Zelickman, E.A.: Group Orientation in *Neomysis mirabilis (Mysidacea: Crustacea)* **24**, 251 (1974)
Zelickman, E.A., Golovkin, A.N.: Composition, Structure and Productivity of Neritic Plankton Communities near the Bird Colonies of the Northern Shores of Novaya Zemlya **17**, 265 (1972)
Zelickman, E.A., Gelfand, V.I., Shifrin, M.A.: Growth, Reproduction and Nutrition of Some Barents Sea Hydromedusae in Natural Aggregations **4**, 167 (1969)
Zenk, W., see Smetacek, V., et al. **47**, 211 (1978)
Ziemann, D.A., see Caperon, J. **36**, 73 (1976)
Zillioux, E.J.: A Continuous Recirculating Culture System for Planktonic Copepods **4**, 215 (1969)
Zimmer, R.L., see Woollacott, R.M. **16**, 165 (1972)

Zimmerman, C., see Ramus, J., et al. **42**, 293 (1977)
Zimmerman, M.S., Livingston, R.J.: Effects of Kraft-Mill Effluents on Benthic Macrophyte Assemblages in a Shallow-Bay System (Apalachee Bay, North Florida, USA) **34**, 297 (1976)
Zimmerman, R., Gibson, R., Harrington, J.: Herbivory and Detritivory Among Gammaridean Amphipods from a Florida Seagrass Community **54**, 41 (1979)
Zimmerman, S.T., see Frolander, H.F., et al. **21**, 277 (1973)
Zimmermann, U., Steudle, E.: Effects of Potassium Concentration and Osmotic Pressure of Sea Water on the Cell-Turgor Pressure of *Chaetomorpha linum* **11**, 132 (1971)
Zingmark, R.G., see Holland, A.F., et al. **27**, 191 (1974)
Zinn, D.J.: An Inclinometer for Measuring Beach Slopes **2**, 132 (1969)
Zion, H.H., see Kennedy, V.S., et al. **24**, 137 (1974)
Zischke, J.A., see Bierbaum, T.J. **53**, 345 (1979)
Zitko, V., see Wildish, D.J. **9**, 213 (1971)
Zottoli, R.A., Carriker, M.R.: Burrow Morphology, Tube Formation, and Microarchitecture of Shell Dissolution by the Spionid Polychaete *Polydora websteri* **27**, 307 (1974)
Zsolnay, A.: Distribution of Labile and Residual Particulate Carbon in the Baltic Sea **21**, 13 (1973)
Zsolnay, A.: Total Labile Carbon in the Euphotic Zone of the Baltic Sea as Measured by BOD **29**, 125 (1975)
Zucker, N.: Neighbor Dislodgement and Burrow-Filling Activities by Male *Uca musica terpsichores*: A Spacing Mechanism **41**, 281 (1977)
Zucker, W., see Lee, J.J., et al. **4**, 44 (1969)
Zurlini, G., Ferrari, I., Nassogne, A.: Reproduction and Growth of *Euterpina acutifrons* (Copepoda: Harpacticoida) Under Experimental Conditions **46**, 59 (1978)